CONSTRUCTION NEWS

Engineering News-Record, October 18, 1923

The Construction Barometer

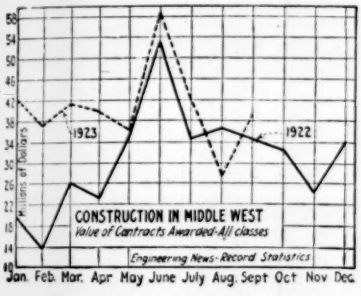
Construction Conforms to 1922 Trend in Twenty-five States—September Building Permits Drop 11 Per Cent

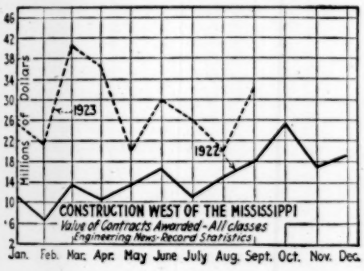
CONTRACTS awarded on large engineering construction projects in the United States, during September, showed a considerable gain over similar lettings for the month preceding.

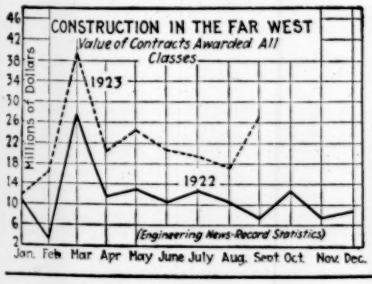
This upward turn in construction conforms to the 1922 trend in New England, the Middle Atlantic states and the group immediately west of the Mississippi. The opposite, however, is true of the South, the Middle West and the far Western states.

In all sections of the country except New England, September construction exceeded the lettings for the same month in 1922. In the Middle Atlantic states, however, the money value was exactly the same.

According to S. W. Straus & Co., September building permits fell off 11 per cent from the month preceding, which was in keeping with the usual trend of permits issued during these two months.


CONSTRUCTION IN MIDDLE WEST
Value of Contracts Awarded-All classes
Millions of Dollars
1923
1922
Engineering News-Record Statistics
Jan. Feb. Mar. Apr. May June July Aug. Sept Oct Nov Dec.


CONSTRUCTION WEST OF THE MISSISSIPPI
Value of Contracts Awarded - All classes
Engineering News-Record Statistics
Millions of Dollars
1923
1922
Jan. Feb. Mar. Apr. May June July Aug. Sept. Oct. Nov. Dec.


CONSTRUCTION IN THE FAR WEST
Value of Contracts Awarded All Classes
Millions of Dollars
1923
1922
(Engineering News-Record Statistics)
Jan. Feb Mar Apr May June July Aug. Sept Oct. Nov. Dec.

Engineering News-Record Statistics

VALUE OF LARGE CONTRACTS LET IN THE UNITED STATES

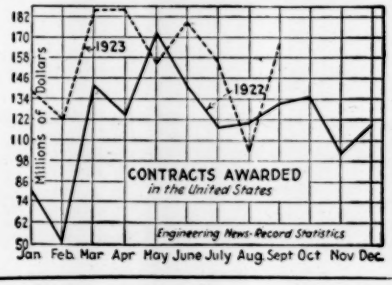
Week Ended	Public Work	Private Work	Total Contracts
Sept. 27	$16,057,000	$24,127,000	$40,184,000
Oct. 4	16,915,000	17,145,000	34,060,000
Oct. 11	16,047,000	16,019,000	32,066,000
3 weeks	$49,019,000	$57,291,000	$106,310,000

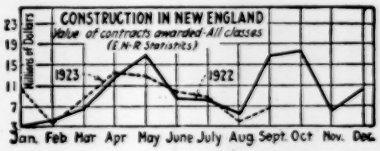
LARGE BUILDING CONTRACTS—NUMBER AND VALUE

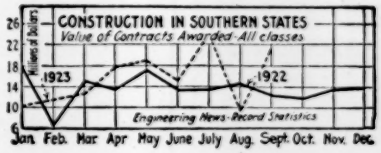
Week Ended	No.	Public Work	No.	Private Work
Sept. 27	13	$1,355,000	36	$12,761,000
Oct. 4	12	4,651,000	33	12,587,000
Oct. 11	14	3,994,000	33	11,490,000
3 weeks	39	$10,000,000	102	$36,838,000

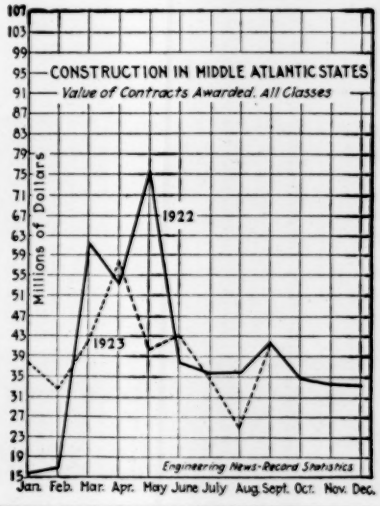
BASIC MATERIALS PRICES FIRM

	Quoted on Oct. 18, at	Price Was	On
Structurals, Pittsburgh, 100 lbs.	$2.50	$2.50 @ 2.60	June 21
Cement, Chi., net bbl...	2.20	2.05	Feb. 1
Pine, N. Y., M.ft.	62.00	61.00	Oct. 4
Fir, San Fran., M.ft.	41.00	42.00	Sept. 27
Common labor, hr.	0.54	0.53	June 28




CONSTRUCTION IN NEW ENGLAND
Value of contracts awarded-All classes
(E.N-R Statistics)
Millions of Dollars
1923
1922
Jan. Feb Mar Apr May June July Aug. Sept. Oct Nov. Dec.


CONSTRUCTION IN SOUTHERN STATES
Value of Contracts Awarded-All classes
Millions of Dollars
1923
1922
Engineering News-Record Statistics
Jan. Feb. Mar Apr May June July Aug. Sept. Oct. Nov. Dec.


CONSTRUCTION IN MIDDLE ATLANTIC STATES
Value of Contracts Awarded. All Classes
Millions of Dollars
1922
1923
Engineering News-Record Statistics
Jan. Feb. Mar. Apr. May June July Aug. Sept. Oct. Nov. Dec.

PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

WATERWORKS

Bids Close		See Eng. News-Record
Oct. 22	Albany, N. Y.	Oct. 18
Oct. 22	Denver, Colo.	Oct. 18
Oct. 23	Buffalo, N. Y.	Sept. 20
Oct. 23	New Holstein, Wis.	Oct. 11
Oct. 23	Hurley, Wis.	Oct. 18
Oct. 23	Long Island City, N. Y.	Oct. 18
Oct. 23	New York, N. Y.	Oct. 18
Oct. 23	St. George, N. Y.	Oct. 18
Oct. 24	Cleveland, O.	Oct. 4
Oct. 24	Baltimore, Md.	Oct. 18
Oct. 25	Watertown, S. D.	Oct. 18
Oct. 26	Tulsa, Okla.	Sept. 27
Oct. 26	Wash., D. C.	Oct. 11
Oct. 26	Buffalo, N. Y.	Oct. 18
Oct. 29	Bethlehem, Pa. Adv. Oct. 18.	Oct. 18
Oct. 30	Washington, Ia.	Oct. 11
Nov. 3	McLeansboro, Ill.	Oct. 18
Nov. 5	Haledon, N. J.	Oct. 11
Dec. 23	New Holstein, Wis.	Oct. 11

SEWERS

Bids Close		See Eng. News-Record
Oct. 22	Berea, O.	Oct. 4
Oct. 23	Toronto, Ont.	Oct. 11
Oct. 23	St. Joseph, Mo. Adv. Oct. 18.	Oct. 18
Oct. 23	Ft. Worth, Tex.	Oct. 18
Oct. 23	Asbury Park, N. J.	Oct. 18
Oct. 24	Columbus, O.	Oct. 18
Oct. 24	St. Joseph, Mo. Adv. Oct. 18.	Oct. 18
Oct. 30	St. Louis, Mo.	Oct. 4
Nov. 1	Fort Erie, Ont.	Aug. 23
Dec. 10	New Orleans, La. Adv. Oct. 11 and 18.	Oct. 11
Dec. 23	New Holstein, Wis.	Oct. 11

WASTE DISPOSAL

Bids Close		See Eng. News-Record
Oct. 30	Indianapolis, Ind.	Oct. 11

BRIDGES

Bids Close		See Eng. News-Record
Oct. 23	Mobridge, S. D.	Sept. 27
Oct. 23	Alabama	Oct. 4
Oct. 23	South Dakota	Oct. 18
Oct. 23	Kentucky	Oct. 18
Oct. 26	Centerville, Tex.	Sept. 27
Oct. 26	Phillipsburg, Kan.	Oct. 4
Oct. 26	Louisiana	Oct. 18
Oct. 26	Lake Charles, La.	Oct. 18
Oct. 27	Cleveland, O.	Oct. 18
Oct. 29	California	Oct. 11

Bids Close		See Eng. News-Record
Oct. 30	Alabama	Oct. 4
Nov. 5	Fremont, O.	Oct. 11
Nov. 6	Quitman, Miss.	Oct. 18
Nov. 7	Minnesota	Oct. 18
Nov. 30	Sydney, Australia	Apr. 19
May 1	Tientsen, North China	Oct. 11

RAILWAYS

Mar. 18	New Zealand	Sept. 20

EXCAVATION, DRAINAGE IRRIGATION

Oct. 29	Turlock, Calif.	Oct. 18

STREETS AND ROADS

Oct. 22	New Jersey	Oct. 4
Oct. 22	Norton, Kan.	Sept. 27
Oct. 22	St. George, N. Y.	Oct. 18
Oct. 23	Asbury Park, N. J.	Oct. 18
Oct. 23	South Dakota	Oct. 18
Oct. 23	Kentucky	Sept. 27
Oct. 23	New Albany, Miss.	Oct. 4
Oct. 23	Marshall, Tex.	Oct. 11
Oct. 23	Blackwell, Okla.	Oct. 18
Oct. 23	West Palm Beach, Fla.	Oct. 18
Oct. 24	Alpha, N. J. Adv. Oct. 4 to 18.	Oct. 4
Oct. 24	Denver, Colo.	Oct. 18
Oct. 25	Ventura, Calif.	Oct. 11
Oct. 25	Independence, Kan.	Oct. 18
Oct. 25	Tyler, Tex.	Oct. 18
Oct. 25	Brooklyn, N. Y.	Oct. 18
Oct. 26	Palo Pinto, Tex.	Oct. 18
Oct. 26	Michigan	Oct. 18
Oct. 29	Newport Beach, Calif.	Oct. 18
Oct. 29	California	Oct. 11
Oct. 29	New Mexico	Oct. 11
Oct. 29	Michigan	Oct. 18
Oct. 30	Cheraw, S. C.	Oct. 11
Oct. 30	Michigan	Oct. 18
Oct. 30	Louisiana	Oct. 18
Oct. 31	Jefferson, Tex.	Oct. 11
Nov. 1	Claremore, Okla.	Oct. 18
Nov. 5	Hondo, Tex.	Oct. 11
Nov. 6	Marlin, Tex.	Oct. 18
Nov. 6	Washington	Oct. 4
Nov. 7	Minnesota	Oct. 18

INDUSTRIAL WORK

Oct. 24	Andrews, N. C. Adv. Oct. 4 to 18.	Oct. 4
Oct. 26	Elizabeth, N. J. Adv. Oct. 18.	Oct. 18
Nov. 8	Palmyra, N. Y. Adv. Oct. 11 and 18.	Oct. 11

BUILDINGS

Oct. 19	Drexel Hill, Pa.	Oct. 18
Oct. 22	Johnstown, Pa.	Oct. 4
Oct. 22	Swarthmore, Pa.	Oct. 18
Oct. 23	Ann Arbor, Mich.	Oct. 4
Oct. 23	St. Francis, Kan.	Oct. 4
Oct. 23	Madison, N. J.	Oct. 4
Oct. 23	Niles (R. F. D. Norwood Park, Chicago P. O.), Ill.	Oct. 11
Oct. 23	Fayetteville, N. C.	Oct. 18
Oct. 24	Marion, Ia.	Sept. 27
Oct. 24	Elizabeth, N. J.	Oct. 11
Oct. 24	Tamaqua, Pa.	Oct. 18
Oct. 27	Shreveport, La.	Oct. 11
Oct. 30	New York, N. Y.	Oct. 11
Oct. 30	Norristown, Pa.	Oct. 11
Nov. 1	Ft. Worth, Tex.	July 12
Nov. 1	Dallas, Tex.	Aug. 2
Nov. 1	St. Louis, Mo.	Oct. 18
Nov. 1	Hutchinson, Kan.	Oct. 11
Nov. 30	Maggie, W. Va.	Oct. 4

FEDERAL GOVERNMENT WORK

Oct. 22	Derricks—Louisville, Ky.	Oct. 4
Oct. 26	Dredging, etc.—Port Chester, N. Y. Adv. Sept. 27 to Oct. 18.	Sept. 27
Oct. 26	Post Office—Clinton, S. C.	Oct. 4
Oct. 29	Dredging—New Rochelle, N. Y. Adv. Oct. 4 to 18.	Oct. 4
Oct. 30	Dredging—Norfolk, Va.	Oct. 11
Oct. 31	Repairing Jetty—Freeport, Tex. Adv. Oct. 4 to 18.	Oct. 4
Oct. 31	Dredging—Galveston, Tex.	Oct. 18
Nov. 1	Pipe Line Dredge—Chicago, Ill.	Sept. 6
Nov. 1	Catamarans, etc.—Chicago, Ill. Adv. Sept. 20, 27, Oct. 11 and 18	Sept. 20
Nov. 1	Stone—Juneau, Alaska.	Oct. 18
Nov. 2	Dredge Pump, etc.—New Orleans, La. Adv. Oct. 11 and 18.	Oct. 11
Nov. 5	Post Office—Hoosick Falls, N. Y. Adv. Oct. 11 and 18.	Oct. 11
Nov. 5	Pump, etc.—Presidio (San Francisco P. O.), Calif.	Oct. 18
Nov. 6	Quarters—Baltimore, Md. Adv. Oct. 18.	Oct. 18
Nov. 6	Sewer Pipe—American Falls, Idaho	Oct. 11
Nov. 7	Extension—Pearl Harbor, H. T.	Sept. 20
Nov. 10	Quarters — Hot Springs, Ark.	Oct. 18
Nov. 10	Breakwater—Indiana Harbor, Ind. Adv. Oct. 18.	Oct. 18
Nov. 14	Storehouse—Pearl Harbor, H. T.	Sept. 27
Nov. 14	Post Office—Carroll, Ia. Adv. Oct. 18.	Oct. 18
Nov. 20	Post Office—Central City, Neb. Adv. Oct. 18.	Oct. 18
Nov. 30	Dam—Quebradillas, P. R. Adv. Sept. 27 to Oct. 18.	Sept. 27

MISCELLANEOUS

Oct. 22	Breakwater—St. Francis Harbor, N. S.	Oct. 11
Oct. 22	Breakwater—Port Lorne, N. S.	Oct. 11
Oct. 22	Dock — Mackinaw City, Mich.	Oct. 18
Oct. 23	Protection Work—Shreveport, La.	Oct. 4
Oct. 23	Portland Cement—Portland, Ore.	Oct. 4
Oct. 23	Tractor — Grand Rapids, Minn.	Oct. 11
Oct. 23	Wall and Dike—Shreveport, La.	Oct. 11
Oct. 24	Levee—New Orleans, La.	Oct. 18
Oct. 25	Subway—San Francisco, Calif.	Oct. 11
Oct. 26	Station Finish—Brooklyn, N. Y.	Oct. 18
Nov. 7	Board Walk—Spring Lake, N. J. Adv. Oct. 11 and 18.	Oct. 11
Nov. 15	Ferry Landing—New Orleans, La. Adv. Oct. 18.	Oct. 18
Nov. 26	Portland Cement—Los Angeles, Calif. Adv. Oct. 11 and 18.	Oct. 18
Jan. 19	Transformers, etc.—Melbourne, Australia Adv. Oct. 18.	Oct. 18
Feb. 28	Headworks — Wellington, New Zealand	May 24

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

Me., Portland — Portland Water Dist. plans main water conduit. $275,000. Bids in spring. H. U. Fuller, ch. engr.

N. Y., Orchard Park—Had surveys made and plans election to vote on $215,000 bonds for complete water system. White & Getan, Mutual Life Bldg., Buffalo, engrs. Noted April 19.

N. Y., Pultneyville—Plans 3 mi. water system. $25,000. H. C. Kittridge, Union Trust Bldg., Rochester, engr.

Pa., Shenandoah—Plans to extend and improve waterworks. Election in November to vote on $200,000 bonds. Gannett, Seelye & Fleming, Inc., 1 North Market Sq., Harrisburg, engrs. Noted Oct. 11.

Va., Charlottesville—Nov. 6, to vote on $500,000 bonds for new water system, with Moormans River as source. Fuller & McClintock, 600 Walnut St., Kansas City, Mo., engrs.

W. Va., Keyser—Having plans prepared 500,000 gal. steel storage tank and motor driven centrifugal pump. $50,000. J. N. Chester Engineers, Union Bank Bldg., Pittsburgh, Pa., engrs. Noted Oct. 4.

N. C., Albemarle—Bd. Comrs. will sell $90,000 bonds Oct. 25, for waterworks. L. C. Russell, town clk.

Ala., Florence—Plans converting steam pumping plant into electrically driven plant, capacity 1,000 g.p.m. $30,000.

Ky., Morgansfield—Election soon to vote on bonds for water plant, and about 6 mi. pipe line.

La., Gibsland—Making plans waterworks and electric improvements. $50,000. E. T. Archer, 609 New England Bank Bldg., Kansas City, Mo., engrs.

La., Leesville—Making plans waterworks, electric light plant and sewers. $225,000. Election soon to vote on bonds. E. T. Archer & Co., 609 New England Bank Bldg., Kansas City, Mo., engrs.

La., Winfield — Having final plans prepared waterworks extensions and sanitary sewers. $100,000. E. T. Archer & Co., 609 New England Bank Bldg., Kansas City, Mo., engrs. Noted Oct. 11.

O., Dayton—Making surveys enlarging waterworks facilities and equipment, sufficient to meet demands of city during next 25 years. F. O. Eichelberger, city engr.

Ill., Galesburg—Making plans pipe line from Burlington to Galesburg, and pumping station to supply city and Burlington R.R. with water. City will pay $500,000, Chicago, Burlington & Quincy R.R., 547 West Jackson Blvd., Chicago, $750,000, and Illinois Light & Power Co., Illinois Merchants Bank Bldg., Chicago, $250,000.

Ia., Bedford — Voted $20,000 bonds for waterworks extension. J. E. Lovell, clk.

Ia., Corning—Voted $20,000 bonds for extending water system.

Kan., Arkansas City—Soon takes bids new pumping equipment and extensions to distribution system. $53,000.

Kan., Lenora—Plans waterwork system. $35,000 voted. Ruckel Eng. Co., Hutchinson, engrs.

Mo., Breckenridge—Voted $45,000 bonds waterworks and distribution system. E. T. Archer & Co., New England Bldg., Kansas City, engrs. Noted Oct. 4.

Mo., Farmington—Oct. 30 to vote on $55,000 bonds extending water system. C. A. Haskins, 517 Finance Bldg., Kansas City, engr.

Tex., Greenville—Election soon to vote on $325,000 bonds new reservoir, etc. A. D. Duck, city engr. Noted Sept. 13.

Tex., Paris—Plans 500,000 gal. tank and tower, etc. $15,000. M. C. Welborn, city engr.

Mo., Thayer—Voted $55,000 bonds waterworks plant and distribution system. R. B. Alexander, 535 Benton St., Kansas City, engr. Noted Sept. 27.

Tex., Amarillo—Election in November to vote on $500,000 bonds for reservoir and mains. B. Jones, city engr.

Tex., Grand Saline—Making plans filtration and pumping plant. $80,000. H. N. Roberts, 422 Irving St., Dallas, engr $80,000.

Okla., Okmulgee—Preparing plans storage reservoir and dam in Deep Fork Creek, creating lake covering 25,000 acres. Burns & McDonnell, 402 Interstate Bldg., Kansas City, Mo., engrs. Noted June 14.

Okla., Owasso—City voted $25,000 bonds for waterworks. Holway Eng. Co., 505 Wright Bldg., Tulsa, engrs. Noted Sept. 27.

Okla., Sapulpa—Defeated $100,000 bonds extending and improving waterworks. F. Dunlap, city clk. Noted Sept. 13.

Ariz., Williams—Election soon to vote on $75,000 bonds for waterworks improvements. Burns & McDonnell, 401 Interstate Bldg., Kansas City, Mo., engrs. Noted Aug. 9.

Wash., Camas—Voted $25,000 bonds to equip. municipal water plant. Stevens & Koon, Spaulding Bldg., Portland, engrs.

Ont., Dundas—Plans extending mains in Governors Rd., Ogilvie, Witherspoon, Market, West and Matilda Sts., probably 6 and 8 in. Prices wanted on materials. $25,000. W. M. Mount, city engr.

Ont., Hamilton — Having plans prepared mains in Westdale, suburb, probably 8 in. $35,000. W. L. McFaul, city engr.

Ont., Oshawa—Council plans improving waterworks system incl. storage basin or tank, overhauling system and extending mains. $50,000. W. Smith, city engr.

BIDS DESIRED

N. Y., Albany—Oct. 22, by Bd. Contr. & Supply, City Hall, filtration plant improvements. P. J. Manwiller, secy. Noted Sept. 6.

N. Y., Buffalo—Oct. 26, by F. X. Schwab, comr. Pub. Wks., City Hall, ninety pieces 4 in. and seventy-six pieces 6 in. pipe, 12 ft. lengths, seven 4 in. right angles, etc.

N. Y., Long Island City—Oct. 23, by Bd. Water Supply, Gas & Electricity, Municipal Bldg., New York, mains in Anable, Woolsey and 6th Aves., Bragaw, Mount and School Sts., etc., here.

N. Y., New York—Oct. 23, by Bd. Water Supply, Gas & Electricity, mains in Boyd, Bronxwood, Colden, Delafield and Leland Aves., etc.

N. Y., New York—Oct. 23, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains and appurtenances in Adee, Arnow, Bartow, Bruner,

Waterworks (Continued)

Gunther, Hammersley, Tiemann and Wickham Aves., Bronx Boro.

N. Y., St. George—Oct. 23, by Bd. Water Supply, Gas & Electricity, Municipal Bldg., New York, mains in Bennett, Clinton, Dewey, Lexington and Nixon Aves., etc., here.

Pa., Bethlehem—Oct. 29 by T. Garey, clk., rein.-con. reservoir, pumping station, pumps, electrical work and pipe lines for high level water system. R. L. Fox, city engr.; adv. E. N.-R. Oct. 18.

Md., Baltimore—Oct. 24, by Bd. Awards, furnishing and delivering flanged pipe and fittings, $9,000, brass service pipe fittings, $20,000. V. Siems, water engr.

Ill., McLeansboro—Nov. 3, by City Clerk, 3,609 ft. 4 in. Class B pipe, 1,054 lb. 4 in. special castings, 400,000 g.p.d. filter plant, pumping equipment, etc., $31,500. W. A. Fuller Co., 1917 Railway Exch., St. Louis, Mo., engrs. Noted Sept. 20.

Wis., Appleton—Water Com., F. R. Morris, secy., taking bids filter machinery and equipment for new filtration plant. Private plans.

Wis., Hurley—Oct. 23, by J. Emunson, city clk., water purification plant and pumping station, incl. intake pipe, $35,000-$40,000. J. H. A. Brahtz, 409 Metropolitan Opera House Bldg., St. Paul, Minn., engrs. Noted Oct. 4.

S. D., Watertown—Oct. 25, by A. M. Myhre, secy. Municipal Utilities Comn., waterworks imporvements, incl. filter equipment and pump, piping equipment for filter house and pump station. W. F. Cochrane, city engr. Noted Sept. 27.

Colo., Denver—Oct. 22, by Bd. Water Comrs., 1654 Bway., 2,084 pieces 6 in., 1,250 pieces 12 in., 125 pieces 16 in., 84 pieces 24 in., 163 pieces 30 in., 583 pieces 30 in., 219 pieces 42 in., 10 pieces 48 in. Class B, Bell and Spigot c.i. pipe, 96 tons special castings, f.o.b. cars here, $261,000; 4-48 in. gate valves $63,000, 6 in. compound watermeters, $3,000. B. Lowther, Shirley Annex, engr.

Calif., Santa Cruz—City Council receiving bids constructing Bay St. reservoir, 73,500 cu.yd. earth to be excavated, placed and rolled, 2,300 cu.yd. rock to be excavated and placed, 4,550 cu.yd. rein.-con. in reservoir lining, valve control chamber and overflow structure, etc. H. Williams, engr.

BIDS RECEIVED

N. Y., New York — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., Oct. 9, mains in Andrews and Barnes Aves., etc., from Norton Eng. & Contg. Co., 510 West 149th St., $23,047. Noted Oct. 4.

Que., Lasalle—Extending waterworks and sewerage systems, from L. A. Ott & Co., 10 Cathacart St., Montreal, $93,465 and $4 per ft. for extra rock excav.

CONTRACTS AWARDED

Mass., New Bedford—Water Dept., 60 in. intake; furnishing precast pipe to Lock Joint Pipe Co., 9 Rutledge Ave., Ampere, N. J., $23,373, constructing intake and accessories, to R. H. Beattie, Buffington Bldg., Fall River, $163,668. Noted Sept. 20.

N. Y., Ellenville—New outlet for Maratanza Lake, incl. open channels, tunnels, manholes, pipe and fittings, etc., to Daly & Merritt, Inc., 127 Horton Ave., Portchester. $20,780. Noted Sept. 27.

N. J., Wallington—Passaic Valley Sewerage Comrs., 900 Chamber of Commerce Bldg., 24 Branford Pl., Newark, pumping machinery and equipment for Wallington Pumping Sta., here, to Shevlin Eng. Co., Inc., 259 West 34th St., New York City, $44,239. Noted Sept. 13.

O., Columbus—See "Streets and Roads."

O., Idlewood (Cleveland Heights P. O.)—See "Sewers."

Ind., Evansville — Furnishing exterior pipe and fittings for 6 m.g. addition to water filtration plant, to U. S. Cast Iron Pipe and Fdry. Co., East Burlington St., Burlington, N. J., $6,961. Noted Oct. 4.

Wis., Appleton—For 25 x 37 ft., brick addition to filtration plant, to Appleton Constr. Co., College Ave., $14,143.

Ia., Dubuque—Switchboard and transformers complete, for Eagle Point Pumping Station, to Swords Bros. Co., 7th St., Rockford, Ill., $11,192; heating system to Lineham & Molo, 472 Main St. Noted Sept. 20.

Tex., Dallas—For 175 tons of 4 and 12 in. Class B c.i. pipe, to Natl. Cast Iron Pipe Co., Kirby Bldg., Dallas, $65 and $61 respectively; 12 in. hub and gate valves, to Briggs-Weaver Co., North Market St. 72 net. Noted Oct. 4.

Tex., Ft. Worth — Concrete basins and filters, to McKenzie Constr. Co., Riverside St., $193,249 and $76,495 respectively. Noted Sept. 20.

Ore., Portland—For 25 mi. Bull Run Conduit 3 from Bull Run to Mt. Tabor Reservoir, to Willamette Iron and Steel Wks., foot of Front St., lock bar pipe, $2,571,404. Noted Sept. 13.

Sewers

PROPOSED WORK

Conn., Hartford—Plans 4 ft. rein.-con. culvert in Tremont St. $25,000. R. N. Clark, city engr.

Pa., Morrisville—Boro. plans sewage disposal plant. $30,000. T. B. Stockham, Morrisville, engr.

La., Leesville—See "Waterworks."

La., Winfield—See "Waterworks."

Ky., Louisville—Sold $952,000 bonds for sewers. A. A. Kreiger, city engr.

O., New Lexington—Plans disposal plant. $150,000. Engineer not announced.

Mich., Grand Rapids—Election Nov. 6, to vote on $5,000,000 bond issue for sewers and sewage disposal plant. M. P. Adams, city sanitary engr.

Wis., Eden—Plans new sewerage system for entire village. $25,000 or more. Engineer not selected.

Kan., Great Bend—Making plans rebuilding present sanitary sewerage system, constructing new outfall and other improvements. $100,000. Burns & McDonnell Eng. Co., 401 Interstate Bldg., Kansas City, Mo., engrs.

Mo., Breckenridge—Voted $35,000 bonds storm and sanitary sewers. E. T. Archer & Co., 609 New England Bldg., Kansas City, engrs. Noted Oct. 4.

Mo., Carthage—Oct. 31, to vote on $90,000 bonds disposal plant. C. A. Haskins, 517 Finance Bldg., Kansas City, engr.

Mo., Farmington—Oct. 30, to vote on $55,000 bonds new sanitary sewerage system. C. A. Haskins, 517 Finance Bldg., Kansas City, engr. Noted May 17.

Mo., University (St. Louis P. O.)—C. Crane, Willmore Corp., Boatmen's Bank, St. Louis having preliminary plans prepared 4,000 ft. 8-36 in. storm and sanitary sewers in University Hills subdivision, here. $35,000-$40,000. Pitzman Survey & Eng. Co., 611 Chestnut St., St. Louis, engrs.

Tex., Kerrville—Plans to vote on bonds for complete sewerage system to cover 5 sq.mi. A. D. Atkins, mayor. Engineer not announced.

Tex., Paris—City Council takes bids in December or January rebuilding and enlarging disposal plants, probably Imhoff tanks. $25,000. M. C. Welborn, city engr.

Levees—Corcoran, Calif.—See "Excavation, Drainage, Irrigation."

Calif., Elsinore—Having plans prepared sewer outfalls and Imhoff tank. To exceed $25,000. Burns & McDonnell, 404 Marsh-Strong Bldg., Los Angeles, engrs.

Calif., Glendale—Plans election to vote on between $800,000 and $1,000,000 bonds to construct 5 ft. sewer to connect with central outfall sewer of Los Angeles.

Calif., Oakland—Plans extending 7th St. outfall sewers. $230,000. W. W. Harmon, city engr.

Ont., Windsor—Council plans sewers in Ellis Ave. $30,000. M. E. Brian, city engr.

BIDS DESIRED

N. J., Asbury Park—Oct. 23, for 5,435 lin.ft. 12-48 in. sewer pipe, also 4,470 lin.ft. 12-36 in. vitr. or concrete storm drains, etc. N. Rogers, Asbury Park, engr.

Pa., Castle Shannon—Oct. 16, by Douglass & McKnight, engrs., 912 Columbia Bank Bldg., Pittsburgh, 17,000 lin.ft. 8 in., 1,100 lin.ft. 10 in. and 2,000 lin.ft. 12 in. terra cotta pipe sewers, etc., in Dist. 1.

O., Columbus—Oct. 24, by Franklin Co., 12,608 ft. 8-18 in. vitr. sewer and 3,000 ft. 8 in. c.i. mains in Sewer Dist. Marion 2 (North Whittier Gardens area), Contr. 16; 2,644 ft. 8 in. vitr. sewer in Sewer Dist. Franklin 3, Contr. 28; 3,566 ft. 6 in. c.i. mains in Sewer Dist. Franklin 3, Contr. 29. $50,000.

Mo., St. Joseph—Oct. 23, at office Bd. Pub. Wks., City Hall, concrete box sewer, also circular concrete or brick sewer. W. K. Seitz, city engr.; adv. E. N.-R. Oct. 18.

Mo., St. Joseph—Oct. 24, at office Bd. Pub. Wks., City Hall, circular concrete or brick sewer. W. K. Seitz, city engr.; adv. E. N.-R. Oct. 18.

Tex., Ft. Worth—Oct. 23, by City Com., for Riverside and miscellaneous sewers. $25,000. D. L. Lewis, city engr.

Calif., Los Angeles—Oct. 22, by Bd. Pub. Wks., furnishing pneumatic sewage ejector for south plant of Hyperion sewage treatment plant.

BIDS RECEIVED

W. Va., Bluefield—For 14 mi. 6-48 in. sewer pipe, 500 manholes, 190 storm water inlets, etc., from W. J. Weakland, Grosscup Dr., Charleston, $546,449. Noted Sept. 13.

O., Euclid—For disposal plant and outfall sewer for Lake Shore Blvd., 34,000 lb. reinforcing bars, 9,000 cu.yd. earth and 12,000 cu.yd. rock trenching, 82 x 108 ft. tank, 35 x 35 ft. laboratory, and 24 x 24 ft. disinfection building, also 35 x 35 ft. screen house, from F. B. Stein, Euclid. $190,616.

Mich., Detroit—Lateral sewers of vitr. crock and 2 ring brick: from Western Constr. Co., 1208 Ford Bldg., Lateral 3888 $8,990, Lateral 3949 $1,890, Lateral 4013 $8,990, Lateral 4016 $5,190, from G. Ponterelli, Wolverine Hotel, Lateral 4010 $18,892, Lateral 4017 $25,078; from F. Mangilafore, Detroit, Lateral 4018 $16,459. Noted Oct. 11.

Mich., Springwells—Vitr. crock and concrete sewers: 7,290 ft. 12-27 in. Special Assessment Dist. 23, from T. D. Nolan, 22 Highland Ave., Highland Park, $14,900; 2,464 ft. 36-72 in. Sewer Arm 39, Ford Rd., and 2,470 ft. 42-66 in. Sewer Arm 40, Donald Ave., from S. Healy, Detroit, $34,889 and $34,889 respectively.

Que., Montreal—Constructing 2 x 3 brick sewers, 482 yd. in Gouin Blvd. and 195 yd. in Hopper St., from V. Matracchio, 554 St. Thimothee St., $8,957 and $3,352 respectively; 168 yd. Woodlands St. and 260 yd. Delanaudiere St. from C. Perluzzi, 407 Labrecque St., $2,950 and $5,227 respectively; 1,282 yd. Belmore Ave. from A. Thzand, 885 St. Catherine St. E., $18,792.

Que., Lasalle—See "Waterworks."

CONTRACTS AWARDED

New York—Towns of Pittsford and Brighton, 2 disposal plants to P. H. Murray, Cutler Bldg., Rochester, $223,936; Town of Brighton, about 30 mi. sewerage system connecting with town of Pittsford, to Oakwood Constr. Co., Oakwood Ave., Detroit, Mich., $393,467; Town of Pittsford, approximately 10 mi. sanitary sewers, to Whitmore, Rauber & Vicinus, 279 South Ave., Rochester, $131,690. Noted Sept. 27, under "Brighton, N. Y."

N. C., Roxboro—Constructing sewerage system to A. H. Guion & Co., Gastonia, $52,500. Spoon & Lewis, consult. engrs., Greensboro, in charge of work. Noted Sept. 20.

O., Cleveland—Cuyahoga Co., disposal plant in Impvt. 33-5, Tuxedo Lake allotment, to Lane & Freeman, Newman-Stern Bldg., $25,844. Noted Oct. 11.

O., Columbus—See "Streets and Roads."

O., Cuyahoga Heights (Cleveland P. O.)—For 1,180 ft. 30-42 in. segmental block and 3,160 ft. 12-24 in. tile sewers in East 71st St. Sewer Dist., to Sprague & Burkhardt, 11811 Browning Ave., Cleveland, $57,492. Noted Oct. 4.

O., Idlewood (Cleveland Heights P. O.)—Sewers and c.i. mains in 4 streets and in Cedar Rd., to Consolo & Palermo, 2208 Murray Hill Rd., Cleveland, $58,062 and $67,410 respectively; 9 streets, to Salem & George Bros., Erie Bldg., Cleveland, $68,039.

Minn., Austin—Disposal plant, direct oxidation system, to Direct Oxidation Corp., Penna. Bldg., Phila., $280,000, for hollow tile and stucco construction with cement roofing. Noted Oct. 11.

Tex., Ft. Worth—Bessie St. storm sewers, to Ellsworth Long Co., Ft. Worth, $36,000. Noted Sept. 20.

Mo., Kansas City—Sanitary sewers in Dist. 356, to Halpin Boyle Constr. Co., 709 Ry. Exch. Bldg., $40,991.

Calif., Los Angeles — See "Streets and Roads."

Calif., Visalia — Constructing modified Imhoff septic tank, to J. F. Shephardson, Bakersfield, $31,090. Noted Sept. 27.

Que., Montreal—See "Streets and Roads."

Waste Disposal

BIDS DESIRED

Ill., Quincy — Finance Comn. receiving bids and opens same about Oct. 22, for garbage incinerator. C. L. Weems, 718 Jersey St., chn.

Waste Disposal (Continued)

Wis., Madison—City, c/o P. Walsh, street supt., City Hall, taking bids 3 or 4 ton garbage truck for use in South Madison Dist.

Bridges

PROPOSED WORK

Vermont—Dept. Highways, Montpelier, rejected bids 68 ft. steel truss span bridge, concrete abutments and gravel surface approaches, in Bloomfield, Federal Aid Project 47; rein.-con. bridge in Ferdinand, Federal Aid Project 44; 1.53 mi. road and one 12 ft. and one 30 ft. bridge, in Colchester, Federal Aid Project 41. Will readvertise. Noted Sept. 27.

Ky., Madisonville—Illinois Central R.R. Co., 135 East 11th Pl., Chicago, plans bridge here, one 85 ft. and two 56 ft. deck plate girder spans. F. L. Thompson, ch. engr.

O., Lakewood (Cleveland P. O.)—Cuyahoga Co. (Cleveland) election Nov. 6 to vote on $930,000 bonds for bridge over Rocky River, from Hilliard Ave., Lakewood, to point approximately opposite same. J. R. Zmunt, chn. of comrs. Noted March 15.

Tenn., Selmer—McNairy Co. plans 8 steel bridges, to exceed $25,000.

O., Cleveland—Cuyahoga Co. election Nov. 6, to vote on $3,235,000 bonds for concrete bridge known as Willow Bridge, to connect East 71st St. in Cuyahoga Heights, with Brecksville Rd. in Independence.

Mont. Glendive—Dawson Co. plans bridge over Y lowstone River, steel superstructure, concrete roadway, 5 piers. $200,000. W. F. Nye, co. clk.

Arkansas—Viaduct Comn., c/o R. Turner, chn. Earle, Ark., had plans prepared 13,300 ft. viaduct on Arkansas side of Harahan Bridge out of Memphis, Tenn., incl. 700,000 cu.yd. surfaced embankment, 1,600 rein.-con. piles, 12,000 yd. concrete, 1,600,000 lb. reinforcing steel, width for 4 traffic lines. Arkansas, Tennessee and Memphis to cooperate in work. $1,500,000. Ayres & Miller, McCall Bldg., Memphis, Tenn., engrs. Noted Apr. 12.

Tex., Dallas—Dallas Co. plans election next July to vote on $2,000,000 bonds concrete viaduct over Trinity River. Nagle, Witt & Rollins, co. engrs.

California—State Hy. Comn., Sacramento, rejected bids for 240 ft. bridge 21 ft. wide, over San Lorenzo Creek near King City, Monterey Co. Will revise plans. R. M. Morton, state highway engr. Noted Oct. 11.

Calif., Elk Horn (Woodland P. O.)—Sacramento and Yolo Counties having plans prepared steel bridge over Sacramento River, here. $150,000-$175,000. C. W. Deterding, Sacramento, Sacramento Co. surv. A. G. Proctor, Woodland, Yolo Co. surv.

BIDS DESIRED

Louisiana—Oct. 26, by State Hy. Comn., Baton Rouge, constructing timber and road approaches to Calcasieu River Bridge, State Project 368, Lake Charles-DeRidder Highway, Sect. A, grading and graveling, Sect. B, 1,121 lin.ft. creosoted pile trestle, composed of fifty-nine 19 ft. panels. J. M. Fourmy, state highway engr. Noted Sept. 27.

Kentucky—Oct. 23, by State Hy. Dept., Frankfort, 100 ft. rein.-con. deck girder bridge, two 30 ft. and one 40 ft. spans, over Shaws Creek, Hardin Co. Former bids rejected. J. S. Boggs, state highway engr.

O., Cleveland—Oct. 27, by Cuyahoga Co. steel superstructure for bridge on Hillside Rd. $31,750. Former bids rejected. F. Lander, Court House, engr. Noted Oct. 4.

Minnesota—Nov. 7, by State Hy. Dept., St. Paul, Bridge 3583 at Split Rock, 80 ft. deck truss span, (former bids rejected); Bridge 3585 at Gooseberry, one 150 ft. arch and two 60 ft. approach spans; Bridge 3584, at Crow Creek, four 100 ft. deck spans, all foregoing on State Project 1-01, Federal Aid Project 282; Bridge 3795, 80 ft. truss span; Bridge 3796, one 100 ft. truss span; Bridge 3797, one 100 ft. truss span, all foregoing on State Project 16-21, Federal Aid Project 314; Bridge 3891, one 120 ft. truss span, and Bridge 4007, 3 skew deck girders, both on State Project 1-39, Div. B, Federal Aid Project 296, Steele Co. State Hy. Dept., St. Paul, engrs.

South Dakota—Oct. 23, by State Hy. Dept., Pierre, approach to north end of bridge over Missouri River, 553 ft., 130,000 lb. structural steel, 385 cu.yd. fill, 672 cu. yd. structural excav., 763 cu.yd. concrete, 61,100 lb. reinforcing, 350 sq.yd. asphalt. $35,000. Harrington, Howard & Ash, 1012 Baltimore St., Kansas City, Mo., engrs.

Tex., Tyler—See "Streets and Roads."

BIDS RECEIVED

North Carolina—State Hy. Comn., Raleigh, rein.-con. bridges and culverts on State Projects 126 and 187, Edgecombe and Pitt Counties, from Eagle Constr. Co., New Bern, $29,120; State Project 302, Bladen Co. and State Project 404, Chatham Co., from Atlantic Bridge Co., Roanoke, Va., $196,313 and $51,876 respectively; State Project 763, Surry Co., from C. A. Helig, Winston-Salem, $72,569. Noted Sept. 27.

Michigan—State Hy. Dept., Lansing, 90 ft. span concrete girder Bridge No 3310001, from Townsend-Shuttleworth-Ballmer Co., Capitol Natl. Bank Bldg., Lansing, $54,380, plus state cement.

CONTRACTS AWARDED

Vermont — Dept. Highways, Montpelier, I beam concrete bridge, gravel surfaced approaches, in town of Chester, Federal Aid Project 46, to G. H. Stebbins, 146 East Main St., North Adams, Mass., $7,267; steel truss bridge, concrete abutments, on Bennington-Brattleboro Rd., in Woodford, Federal Aid Project 48, to M. J. Burrington, $19,634. Noted Sept. 27.

Pa., Johnstown—M. L. Masterson, supt. Streets & Pub. Improvements, City Hall, Napoleon St. Bridge over Stoneycreek to Farris Eng. Co., Empire Bldg., Pittsburgh, $152,718; Coopersdale Bridge over Conemaugh River, to Independent Bridge Co., May Bldg., Pittsburgh, $179,400. Noted Oct. 11.

Miss., Macon—Noxubee Co., 3 concrete bridges on Brooksville-Clifton Rd., concrete spillway at Owl Creek on Brewer Rd., steel and concrete bridge on Macon and Louisville Rd. over Hashuqua Creek, wooden bridge over branch on Macon and Memphis Rd., brick culvert on Rinion Rd. and wooden bridge over Joe's Creek, Allgood Mill Rd., to L. Minor, Brooksville.

Ia., Indianola—Warren Co.,1 high truss bridge, to B. J. Cole, Ames, $16,719; 46 culverts and extensions, to Shackleton Constr. Co., Perry, $21,000. Noted Sept. 27.

Minnesota—State Hy. Dept., St. Paul, Bridge 3458, State Project 1-01, Federal Aid Project 282, Beaver Bay, one 300 ft. steel arch span, to Illinois Steel Bridge Co., 552 Gilfillan Blk., St. Paul, $36,880. Noted Oct. 4.

Dams

PROPOSED WORK

Tex., Ft. Worth—Southwestern Portland Cement Co., Two Republics Bldg., El Paso, having revised plans prepared concrete spillway, 150 ft. earth dam, 40 ft. high, 600,000 gal. daily capacity. Jno. B. Hawley, Cotton Exch. Bldg., engr. Noted Sept. 6.

CONTRACTS AWARDED

Tenn., Lawrenceburg—City, hydro-electric dam over Shoal Creek, near here, to Gould Constr. Co., Independent Life Bldg., Nashville, $80,000. Noted Sept. 13.

Railways

PROPOSED WORK

Oregon—See "Miscellaneous."

California—Atchison, Topeka & Santa Fe Ry. Co., 6th and Main Sts., Los Angeles, plans 1 mi. spur track from Oakdale to cement plant of Yosemite Portland Cement Co., Merced R. B. Ball, ch. engr.

Steel Rails — Eureka, Calif. — Rejected bids furnishing steel rails. J. Griffith, city supt. pub. wks. Noted Sept. 20.

CONTRACT AWARDED

Florida — City of South Jacksonville (Jacksonville, P. O.) laying 1.2 mi. single track street railway using 7 in. 70 lb. high T rail, cypress ties on 2 ft. centres, etc., to Stone & Webster, Inc., 147 Milk St., Boston, Mass.

California—City and San Francisco Co. furnishing and delivering track materials for municipal railway system, to United States Steel Products Co., Rialto Bldg., San Francisco, $48,000. Noted Sept. 13.

Excavation, Drainage, Irrigation

PROPOSED WORK

Calif., Corcoran—Recl. Dist. 825, c/o A. D. Schindler, consult. engr., Balfour Bldg., San Francisco, had plans prepared levees, canals, ditches and a pumping plant. To exceed $3,000,000.

BIDS DESIRED

Calif., Turlock—Oct. 29, by A. Sorensen, secy. Turlock Irrigation Dist., canal enlargements, concrete canal lining and structures, drainage wells, pumps and electrical distribution lines, etc.

CONTRACTS AWARDED

Tex., Ft. Worth—Methodist Hospital, c/o W. H. Matthews, 3220 Ave. G, excavation for 10 story and basement hospital, to Southwell & Addott, First Natl. Bank Bldg., $30,000. Noted under "Buildings" July 12.

B. C., Essondale—Provincial Government, Victoria, 8,300 yd. earth excav. for dyke on Coquitlam River, to A. B. Palmer & Co., 736 Granville St., Vancouver, $25,000.

Streets and Roads

PROPOSED WORK

Vermont—See "Bridges."

Pa., Erie—Plans brick paving 27th and French Sts. $47,000. F. G. Lynch, city engr.

W. Va., Winfield—Pocatalico Dist., Putnam Co., election Nov. 1, to vote on $75,000 bonds for road work. G. H. Davis, Hurricane, engr.

N. C., Bryson City—Comrs. Swain Co. plan to sell $200,000 bonds soon, for road work. S. E. Varner, chn. Bd. Comrs.

N. C., Concord—Bd. Aldermen will sell $88,000 bonds Oct. 25 for street improvements, mostly paving. G. H. Richmond, clk.

Fla., Pahokee—Election Oct. 31, to vote on $25,000 bonds paving, curbing and guttering 1 mi. Main St., 20 ft.; $25,000 bonds paving 1 mi. streets, south and east from city dock, 20 ft. J. H. Cason, town clk.

Louisiana — State Hy. Comn., Baton Rouge, rejected bids opened Sept. 25 constructing Sects. A and B, Winnsboro-Delhi Highway in Franklin Parish. Noted Sept. 13.

Tenn., Athens—McMinn Co. voted $145,000 bonds 18 mi. road from Athens to Monroe Co. line. Noted Sept. 27 under "Tennessee."

Tenn., Crossville—Cumberland Co. plans 6 mi. highway between Isoline and Clark Range. Work will be done under supervision Tennessee Dept. Hy. and Pub. Wks., Nashville.

Tenn., Maryville—Blount Co. voted $50,000 bonds for 8.5 mi. highway between here and Knox Co. line, 16 ft.

Tenn., Nashville — Bd. Pub. Wks. soon takes bids granite block paving Church St. viaduct. Cost to exceed $25,000. W. W. Southgate, city engr.

Ky., Crescent Hill (Louisville P. O.)—River-Payne Development Co., Louisville, plans constructing and paving streets, sidewalks, etc., of Ridge Dale, here. $25,000.

Ky., Whitesburg—Plans to issue $50,000 bonds for paving city streets.

O., Canton—Plans paving 1½ mi. 12th St. N. W., 50 ft. $75,000. Will mature in spring. W. E. Sarver, City Hall, engr.

O., East Liverpool — Plans grading and paving ½ mi. McKinnon Ave., 50 ft. $30,000. J. George, City Hall, engr.

O., Youngstown—Plans widening and paving 1 mi. Watt St., 60 ft. $75,000. W. L. Turner, City Bldg., engr.

Ind., Evansville—Comrs. Vanderburgh Co. having plans prepared and take bids about Feb. 1, hard surfacing 8 mi. Big Cynthia Rd., 7 mi. Petersburgh Rd., 5 mi. Upper Mt. Vernon Rd., and 3 mi. Boonville and New Harmony Rd. Type of material not selected. R. W. Meisinger, co. surv.

Ia., Des Moines—Plans paving and curbing Euclid, Davis and Cornell Aves., 58th and 27th Sts. To exceed $25,000. K. C. Kastberg, city engr.

Kan., Oberlin — Decatur Co. had plans prepared earth roads on Pike Peak Ocean to Ocean Highway, 9.9 mi. Sect. B, 9.06 mi. Sect. A and 1.1 mi. Sect. D, also 18.3 mi. Sect. B, Rock Island Highway. Kansas Eng. Co., Topeka, engrs.

Kan., Troy—Doniphin Co. making plans concrete paving 7.3 mi. Federal Aid Project 169, Sect. C, 18 ft.; 8.01 mi. Federal Aid Project 169, Sect. A, 18 ft. Kansas Eng. Co., Topeka, engrs.

Wyo., Cheyenne—Plans paving 5 blocks North Capitol Ave. and 6 blocks adjacent to State Capitol Building, 40-50 ft. $60,000. J. A. Bruce, Cheyenne, engr.

Mo., Clayton—St. Louis Co. having preliminary plans prepared grading and surfacing, etc., 7 mi. Olive St. Rd., 20 ft. bituminous macadam. $106,681. W. Elbring, Court House, engr.

Mo., Poplar Bluff — Plans grading and concrete surfacing 2,200 ft. various streets. $25,000. E. C. Nickey, city engr.

Streets and Roads (Continued)

Mo., St. Louis—E. R. Kinsey, pres. Bd. Pub. Serv. reports tentative 1924 construction programme, incl. streets and alleys, involves expenditure of $2,843,000. Of work planned approximately $715,000 is ready for letting, incl. 129,370 sq.yd. paving and 53,310 cu.yd. grading; projects, aggregating $1,364,000 are pending before Bd. Aldermen, incl. 371,319 sq.yd. paving and 22,365 cu.yd. grading. It is planned to pass most of these ordinances within next few months, so that all work may be let prior to April 1. Balance of 1924 construction is temporarily held up, either for rerouting street car lines, sewers, or by court proceedings. Materials to be used: 188,759 sq.yd. asphalt or bitulithic, 150,147 sq.yd. bitulithic, 190,938 sq.yd. willite, 19,995 sq.yd. brick, 20,500 sq.yd. granite, 18,320 sq.yd. asphaltic concrete, 40,740 sq. yd. Kentucky rock asphalt, 22,285 sq.yd. concrete, etc. H. W. Kiel, mayor.

Ark., Fayetteville—Making preliminary plans grading and concrete paving 11 blocks Center St. and School Street Dists., 30 ft. $25,000. Engineer not selected.

Tex., Belleville—Austin Co. making plans improving 9.2 mi. State Highway 36, 18 ft. $150,000. W. Hill, co. judge.

Tex., Carthage—Panola Co. election Oct. 27, to vote on $225,000 bonds grading and graveling various roads. A. S. Nelson, co. judge. Engineer not selected.

Tex., Crosbyton — Making plans permanent paving Square and business streets. $25,000. R. C. Carter, mayor. Engineer not announced.

Tex., Dallas—Had plans prepared macadam paving Fitzhugh St. at municipal golf course. $25,000. E. A. Kingsley, city engr.

Tex., Glen Rose—Somervell Co. making plans grading and surfacing with gravel and caliche 12.5 mi. State Highway 10-A, 16 ft. $99,600. H. J. Cox, co. engr.

Tex., Hillsboro—Making plans bituminous paving 2nd St. $25,000. M. C. Bullock, Hillsboro, engr.

Tex., Houston—Making plans grading and paving White Oak Bayou Dr., probably gravel with bituminous top. $40,000. J. C. McVea, city engr.

Tex., La Grange—Fayette Co. making plans grading, and gravel surfacing in Road Dist. 7. $100,000. A. Schlafli, co. engr.

Tex., Madisonville—Madison Co. election Oct. 27, to vote on $300,000 bonds, gravel surfacing in Precincts 1, 2 and 4.

Tex., Pearsall—Frio Co. making plans grading and gravel surfacing 14.5 mi. Dilley-Carrizo Springs Highway, 16 ft. $165,000. R. E. Killmer, co. engr.

Okla., Blackwell—Voted bonds and soon take bids grading and paving 14 blocks C, 5th, 7th, Oklahoma, McKinley and Dewey Sts., 30 ft. $119,000. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs. Noted Sept. 13.

Washington—Pierce Co. (Tacoma) and King Co. (Seattle) having preliminary surveys made of 24 mi. stretch at summit of Naches Pass Highway, with view to completing road and making shorter route across Cascades.

Calif., Porterville — Had plans prepared improving Belleview Ave., 47,976 sq.ft. 5 in. concrete, 47,976 sq.ft. grading, etc.; Hanrahan, 4th, Valentine and Thurman Sts., etc., 483,680 sq.ft. grading, 483,680 sq.ft. 5 in. concrete, 14,925 lin.ft. concrete curb, etc. F. W. Pease, city engr.

Calif., San Diego—Common Council plans improving Hawthorn St., 102,956 sq.ft. 1½ in. asphaltic concrete on 2½ in. bituminous, 68,721 sq.ft. 4 in. concrete, 3,154 sq.ft. concrete sidewalks, etc. F. A. Rhodes, city engr.

Calif., San Francisco — Had plans prepared improving 48th Ave. between Lawton and Santiago Sts., 39,353 cu.yd. fill, 16,800 sq.ft. concrete gutter, 190,344 sq.ft. asphaltic concrete, etc. To exceed $115,000. M. M. O'Shaughnessy, city engr.

Calif., San Luis Obispo—Had plans prepared improving Santa Rosa St. between Monterey and Sycamore Sts., 30,000 sq.ft. 6 in. concrete, 1,000 ft. concrete curb and gutter, 7,000 sq.ft. concrete walks. W. B. Roselip, city engr.

Calif., Santa Ana—Takes bids about Oct. 17, improving portion West 5th St., 172,000 sq.ft. 7 in. concrete with belt finish wearing surface, 2,193 ft. curb, 26,670 sq.ft. regrading and laying 6 in. concrete, etc. W. G. Knox, city engr.

BIDS DESIRED

N. Y., Brooklyn—Oct. 25, by E. Riegelmann, boro pres., Borough Hall, grading, curbing and flagging East 29th and Lake Sts.; paving with permanent asphalt on 6 in. concrete roadways of New York Ave., East 29th and Lake Sts.; paving with bituminous macadam roadway of 67th St. and strip 20 ft. wide of roadway of 73rd St.

N. Y., St. George—Oct. 22, by J. A. Lynch, pres. Richmond Boro, Borough Hall, laying concrete sidewalks on Curtis, Pelton, Richmond, Butler and Nicholas Aves., Gray St. and Amboy Rd., 1st, 2nd, 3rd and 5th Wards; constructing concrete curb, resetting curb, laying vitr. brick gutter and relaying stone block gutter on Elliott Ave., 4th Ward.

N. Y., St. George — Oct. 22, by J. A. Lynch, pres. Richmond Boro, Boro Hall, grading, etc. Shaughnessy Lane; concrete repaving Center St., etc.

N. J., Asbury Park — Oct. 23, curbing and sheet asphalt paving 44,500 sq.yd. Cookman Ave. and Kingsley St. N. Rogers, Asbury Park ,engr. Noted Sept. 13.

Fla., West Palm Beach — Oct. 23, by Comrs. Palm Beach Co., treating with liquid asphalt 11.5 mi. road from Palm City south and west (The Loop), $25,000; hard-surfacing, alternate proposals, 8.646 mi. Rds. 1, 2 and 3, Special Road and Bridge Dist. 16, $30,000. C. H. Holstlaw, West Palm Beach, engr. Noted July 26.

Louisiana—Oct. 30, by State Hy. Comn., Baton Rouge, constructing 17.074 mi. Winnefield-Jonesboro Highway, Winn Parish, Federal Aid Project 140; also furnishing gravel and broken stone for surfacing above. J. M. Fourmy, state highway engr.

Michigan—Oct. 26, by State Hy. Dept., Lansing, 250 stas. grading, 91,625 sq.yd. asphalt, concrete or bituminous concrete surfacing on State Trunk Line Rd. 51-2, A and B, 18 ft., Ottawa Co. F. F. Rogers, state comr.

Michigan—Oct. 29, by State Hy. Dept., Lansing, 13,946 cu.yd. earth excav. and 33,978 sq.yd. asphalt, concrete or bituminous concrete surfacing on State Trunk Line Rd. 23-10, Sects. A and B, 20 ft. Branch Co. F. F. Rogers, state comr.

Michigan—Oct. 30, by State Hy. Dept., Lansing, 34,946 cu.yd. earth excav. and 67,284 sq.yd. asphalt, concrete or bituminous concrete surfacing on Federal Aid Project 66, Sect. C, 18 ft., St. Joseph Co. F. F. Rogers, state comr.

Mich., Mackinaw City — See "Miscellaneous."

Minnesota—Nov. 7, by State Hy. Dept., St. Paul, 7 mi. State Project 1-39, Div. B, Federal Aid Project 296, Steele Co., 116,000 cu.yd. excav.; 15 mi. State Project 3-34, Federal Aid Project 303, Houston Co., 300,000 cu.yd. excav., three 30 ft. beam span bridges, one 40 ft. truss and one 50 ft. truss; State Project 5-34, Federal Aid Project 92, Anoka Co., 126,000 cu.yd. concrete paving, 11,700 cu.yd. gravel surfacing; 17 mi. State Project 16-21, Federal Aid Project 314, Cottonwood Co., 338,000 cu.yd. excav. State Highway Dept., St. Paul, engrs.

Kan., Independence — Oct. 25, by Clerk Montgomery Co., grading and bituminous macadam surfacing 5.1 mi. Canery Rd., Federal Aid Project 121, Sect. C, 18 ft. H. K. Hubbard, co. engr. Noted Aug. 16.

South Dakota — Oct. 23, by State Hy. Dept., Pierre, 166,698 cu.yd. gravel surfacing on roads in Brookings, Miner, Grant, McCook, Moody, Beadle, Day and Spink Counties. F. D. Huggins, ch. engr.

Tex., Highland Park (Dallas P. O.)—Taking bids paving Mockingbird Lane from Turtle Creek to Preston St., various types, bituminous considered. Myers & Noyes, Mercantile Bank Bldg., Dallas, engrs.

Tex., Marlin—Nov. 6, by W. S. Hunnicutt, judge Falls Co., grading and gravel surfacing 7.65 mi. State Highway 44, Federal Aid Project 331 B, 16 ft. $92,854. J. P. Wehrung, Lott, co. engr.

Tex., Palo Pinto—Oct. 26, by E. L. Pitts, judge Palo Pinto Co., grading and gravel surfacing 3.37 mi. State Highway 1, Federal Aid Project 383, 18 ft., $60,254, 35,624 sq.yd. bituminous macadam to be let later, $30,865; 15.47 mi. State Highway 1, Federal Aid Project 382, 18 ft., $262,200, bituminous topping to be let later, $140,300. Gravel to be furnished by county. C. W. Courter, co. engr.

Tex., Tyler—Oct. 25, by D. R. Pendleton, judge Smith Co., grading and bridging 6.25 mi. State Highway 15 A, 24 ft. $27,500. D. K. Caldwell, co. engr.

Okla., Blackwell—Oct. 23, by D. Randall, city clk., grading and paving 12 blocks 1st, 5th, Dewey, Oklahoma and C Sts., 1,200 sq.yd. vertical fibre brick, 14,000 sq.yd. concrete, 7,100 lin.ft. curbing and guttering, 7,820 cu.yd. excav. $71,964. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs. Noted Oct. 18.

Okla., Claremore—Nov. 1, by G. Lane, city clk., grading and paving 6 blocks 3rd and Sequoyah Sts., 8,000 sq.yd. concrete, 2,400 cu.yd. excav. $34,500. V. H. Cochrane, Lynch Bldg., Tulsa, engr.

Colo., Denver—Oct. 24, by Dept. Impvts. and Parks, asphalt paving 37,900 sq.yd. in North Denver Paving Dist. 4. $98,265. A. K. Vickery, city engr.

Calif., Los Angeles—Oct. 22, by Supervs. Los Angeles Co., improving Santa Anita Ave., shaping 8,650 sq.yd. roadbed, removing 7,556 sq.yd. old macadam, 8,650 sq.yd. 6-8 in. concrete, etc. County will furnish cement.

Calif., Newport Beach—Oct. 29, by City Trustees, improving Ocean Blvd., etc., 147,644 sq.ft. 6 in. clay and gravel, 16,680 sq. ft. 5 in., 152,080 sq.ft. 6 in. and 212,354 sq. ft. 8 in. concrete pavement, including grading, 20,200 lin.ft. concrete curb, 101,767 sq. ft. concrete walks, 11,380 lin.ft. 6 in. standard steel pipe, 10,037 lin.ft. 8 in. cement pipe sanitary sewer, etc. P. E. Kressly, H. W. Hellman Bldg., Los Angeles, consult. engr.

BIDS RECEIVED

N. Y., Brooklyn—E. Riegelmann, boro pres., Boro Hall, repaving (1) Empire Blvd. (2) North 7th St. (3) Saratoga Ave. (4) 12th Ave. (5) 79th St. (6) 99th St. (7) 80th St, all asphalt, (8) North 7th St. (9) Union St. both grade 1 granite; grading, curbing and flagging (10) 40th St. (11) 80th and 81st Sts., from Sicilian Asphalt Paving Co., 41 Park Row, New York, (1) $30,320 (2) $33,793 (3) $13,714; Uvalde Asphalt Paving Co., 1 Bway., New York, (4) $22,364; Cranford Co., 52 9th St., (5) $20,920 (7) $8,407; Brooklyn Alcatraz Asphalt Co., 407 Hamilton Ave., (6) $7,333; Greico Bros., 172 Russell St., (8) $32,897; J. D. Norton, 20 Sterling Pl., (9) $70,885; W. J. McHale Contg. Co., 1250 Jefferson St., (10) $5,520; F. Persicano, 350 Fulton St., (11) $902. Noted Oct. 4.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., Oct. 15, grading, curbing, laying sidewalks, etc., on (1) Alpha Pl. (2) Hayes Ave. (3) Linden St. (4) Linden St. (Bway.) (5) Roosevelt Ave. (6) 49th St. (7) 97th Ave. (8) 117th St., grading, curbing, constructing basins and granite paving (9) Anable Ave., sheet asphalt paving (10) Hayes Ave. (11) Hallett St. (12) 49th St. (13) 97th Ave. (14) 103rd St. (15) 117th St., sheet asphalt repaving (16) 87th St., grading sidewalks space, etc., on (17) Mary St., recurbing, laying sidewalks, etc., on (18) Prospect Ave., permanent paving (19) Woodside Ave., grading, constructing basins and sheet asphalt paving (20) 79th St., from Borough Asphalt Co., 1301 Metropolitan Ave., Brooklyn, (1) $9,869 (15) $39,870 (18) $16,607; Kennedy & Smith, 93 Amity St., Flushing, (2) $37,639 (3) $9,799 (5) $14,015 (6) $9,890 (7) $5,635 (8) $20,244; W. P. McDonald Constr. Co., 17 West 42nd St., New York, (4) $32,295 (13) $15,440

5967

Contracts reported by Engineering News-Record

from Mar. 1 to Oct. 1

14	at	$5,000,000
174	at	1,000,000
184	at	500,000
310	at	200,000
2,044	at	100,000
341	at	50,000
2,771	at	25,000
129	at	10,000
5,967	avg.	$220,000

Total Value:

$1,324,642,000

Streets and Roads (Continued)

(14) $85,650 (16) $5,510 (19) $43,505 (20) $8,766; Welsh Bros. Contg. Co., 32 Queens St., Astoria, (9) $49,956; W. J. Fitzgerald, 547 West 45th St., New York, (10) $63,315 (11) $22,975 (12) $17,823; J. J. O'Brien, Jr., William St., Jamaica, (17) $352. Noted Oct. 11.

N. Y., New York—H. Bruckner, pres. Bronx Boro, 3rd and Tremont Aves., paving (1) Valentine Ave. (2) Oak Terrace (3) Faile St. (4) East 204th St., sheet asphalt, (5) Sherman Ave. (6) East 178th St., both bituminous concrete, grading, curbing, laying sidewalks, etc., on (7) Montgomery Ave. (8) Purdy St., steps and appurtenances on (9) Transverse Rd., sewer in (10) Grand Blvd. (11) East 158th St., 5 x 5 ft. rein.-con. culvert in (12) Ludlow Ave., from C. D. Beckwith, Inc., 2875 Bway., (1) $16,427 (6) $6,298; J. E. Gaffney, 438 East 91st St., (2) $4,871; Interboro Asphalt Co., 2306 Creston Ave., (3) $13,554 (5) $27,626; Asphalt Constr. Co., 208 Bway., (4) $9,970; Spedero & Turriamo, 3185 East Tremont Ave., (7) $4,730; F. Hanratty, 605 Beach Terrace, (8) $5,134; J. V. Timoney Constr. Co., 220 East 201st St., (9) $6,798; F. Gabrielle, (10) $5,576; M. DelBalso, 660 East 221st St., (11) $1,968 (12) $14,957. Noted Oct. 4.

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., Oct. 11, sheet asphalt repaving (1) 26th St. (2) East 31st St. (3) East 33rd St. (4) East 49th St. (5) 73rd St. (6) 148th St., widening and granite block repaving (7) Bway. at 35th St., from W. J. Fitzgerald, 547 West 45th St., (1) $38,181; Sicilian Asphalt Paving Co., 41 Park Row, (2) $16,447 (3) $17,934 (4) $10,721; J. E. Gaffney, 438 East 91st St., (5) $15,489 (6) $16,475; Burnside Contg. Co., 270 Burnside Ave., (7) $5,437. Noted Oct. 4.

N. Y., St. George—J. A. Lynch, pres. Richmond Boro, Boro Hall, Oct. 9, bituminous concrete repaving Sea Ave., from J. W. Donovan, 2205 Richmond Terrace, Port Richmond, $39,910. Noted Oct. 4.

Pa., Reading—For 8,700 sq.yd. rein.-con. road connecting Maiden Creek pumping station with Center Turnpike at Ontelaunee, from D. Maurer & Sons, Carbon Glenside, paving $2.94, cement (lump sum) $8,308, curbing $1.85, total $34,164. Noted Oct. 4.

Maryland—State Rds. Comn., Baltimore, Oct. 9, 0.65 mi. West St., Annapolis, Anne Arundel Co., Contr. AA-35, from P. F. Reddington, 2 East Lexington St., Baltimore, $46,930 for vitr. brick and $51,130 for Mack vitr. brick. Noted Oct. 4.

North Carolina — State Hy. Comn., Raleigh, grading and concrete or asphaltic paving 12.15 mi. State Projects 126 and 187, Edgecombe and Pitt Counties, from Public Service Production Co., Terminal Bldg., Newark, N. J., $389,222, 16.51 mi. State Project 686, Stanley Co., from J. A. Kreis, Holston Bank Bldg., Knoxville, Tenn., $618,985; clearing and grading 10.54 mi. State Project 763, Surry Co., from McDowell Contg. Co., Marion, $77,405, 6.2 mi, State Project 537, Guilford Co., from J. M. Gregory & Co., Pittsboro, $26,470, 11.06 mi. State Project 404, Chatham Co., from W. W. Tuck & Sons, Virgilina, Va., $74,771; concrete or asphaltic paving 7.75 mi. State Project 485 B. Wake Co., from G. Lassiter & Co., Citizens Bank Bldg., Raleigh, $246,449; grading and topsoiling 1.25 mi. State Project 302, Bladen Co., from J. T. Plott, Greensboro, $54,852; waterbound or penetration macadam surfacing 2.31 mi. State Project 352, New Hanover Co., from Highway Eng. Co., Selbyville, Del., $107,360; grading and small rein.-con. bridges and culverts on 8.07 mi. State Project 732, Davie Co., from J. F. Mulligan Constr. Co., North Wilkesboro, $31,807; grading and waterbound macadam paving 2.05 mi. State Projects 990A and 992. Transylvania Co., from Geer & Wilson, Rutherfordton, $89,627. Noted Sept. 27.

Michigan—State Highway Dept., Lansing, 37,332 cu.yd. earth excav. and 51,109 sq.yd. gravel surfacing on State Trunk Line Rd. 40-6, Sect. B, 16 ft., Van Buren Co., from Wilder, Gould & Cross, 877 11th St., Grand Rapids, $60,579.

Mich., Detroit—Paving with 3½ in. sheet asphalt on 8 in. concrete, Amherst curb, from Detroit Asphalt Paving Co., 20 McGraw Bldg., 13,200 sq.yd. Covington Dr. $66,021, 4,400 sq.yd. Mackie St., $24,570, 1,400 sq.yd. Rochester Ave., $7,797, 5,800 sq.yd. Wisconsin Ave. $29,996; from Cleveland Trinidad Paving Co., 402 Hammond Bldg., 5,800 sq.yd. Nevada Ave. $30,836, 2,000 sq.yd. Pilgrim Ave. $11,401.

Colo., Denver — Asphalt paving ½ mi. Washington Park Paving Dist. 2, from Western Paving & Constr. Co., International Trust Bldg., $49,911, engrs. est. $62,056; 21 blocks Capitol Hill Paving Dist. 2, from Allied Contractors, Inc., 803 Douglas St., Omaha, Neb., $46,750; engrs. est. $55,000.

Colo., Denver—Concrete paving 12 blocks Alley Paving Dist. 105, from C. C. Madsen Constr. Co., Engineers Bldg., Denver, $21,090, engrs. est. $25,165; 12 blocks Alley Paving Dist. 106, 12 blocks Alley Paving Dist. 107 and 12 blocks Alley Paving Dist. 108, from W. F. Pigg & Son, Engineers Bldg., $17,388, $17,440 and $19,971 respectively; engrs. ests. $20,682, $20,833 and $25,872 respectively.

Wash., Seattle — City, Oct. 5, paving Denny Way et al. and 5th Ave. from D. H. Traphagen, Walker Bldg., 7,730 sq.yd. 8 in. concrete $2.10 per sq.yd., 3,250 ft. asphaltic concrete curbing $0.65, 2,900 cu.yd. earth excav. $0.80, total $35,509. Engrs. est. $35,963.

Calif., Auburn — Grading and paving 205,000 sq.ft. streets connecting with main highways, from Galbraith & Janes, P. O. Box 539, Napa, concrete $55,952; J. A. Costello, 1083 Shotwell St., San Francisco, asphalt $53,992. Noted July 26.

Calif., Los Angeles — Los Angeles Co., from G. H. Oswald, 366 East 58th St., improving east and west portion of Pacific Blvd., 45,103 sq.ft. walks $0.20, 5,792 ft. curb $0.55, 13,319 sq.ft. gutter $0.28, 9,764 sq.yd. concrete $2.14, 42,000 sq.ft. oil and screenings $0.04, etc. Noted Sept. 6.

Calif., Santa Cruz—Santa Cruz Co., from Granite Constr. Co., Watsonville, oil macadam paving coast road in Seaside Rd. Dist., $22,989, road between Capitola and Sequel, $7,398. Noted Oct. 11.

CONTRACTS AWARDED

Vermont — Dept. Highways, Montpelier, 2.02 mi. Rutland-Ludlow Rd., in Claredon, Federal Aid Project 45, to L. Longhi & Bro., Inc., 43 Center St., Torrington, Conn., $28,514 for uncrushed gravel and $34,378 crushed gravel. Noted Sept. 27.

Massachusetts—State Hy. Dept., Boston, concrete paving 16,114 ft. highway, 18 and 20 ft., through Sheffield, to Perini & Sons, Inc., Ashland, $165,457; bituminous macadam paving 5,000 ft. 18 and 20 ft., in Milford, to Milford Constr. Co., Milford, $29,822; bituminous macadam and concrete paving 17,441 ft., 18 ft., in Attleboro and North Attelboro, to T. J. Quinn, Ashton, R. I., and Attleboro, $197,984; bituminous macadam paving 2,500 ft., 18 ft. in Northboro, to C. E. Horne, Millbury, $25,662. Noted Aug. 30 and Sept. 13.

Massachusetts—Metropolitan Dist. Comn., 1 Ashburton Pl., Boston, grading, surfacing, etc. Old Colony Parkway and Quincy Shore Reservation, in Quincy and Boston, to J. H. Fannon, 28 Hinckley St., Somerville, $181,150.

Mass., Boston—Paving Ashland St. from Hyde Park Ave to Wilmot St., West Roxbury, 9,000 sq.yd. bitulithic pavement, to J. McCourt Co., 46 Walt St., Brookline, $27,957.

Mass., Medford — Paving 20,500 sq.yd. Winthrop St., bituminous macadam, to J. A. Gaffey, 19 Curtis St., $48,000.

N. Y., Brooklyn—Park Bd., Municipal Bldg., New York, Oct. 11, grading, sheet asphalt paving, etc., main roadway of Eastern Parkway from Albany to Ralph Aves., here, from M. J. O'Hara, 1228 Park Ave., New York, $147,081. Noted Oct. 4.

N. Y., Brooklyn — Park Bd., Municipal Bldg., New York, grading, curbing, sheet asphalt paving, etc., main roadway of Eastern Parkway from Bedford to Albany Aves., here, to Cleveland Trinidad Paving Co., Flushing, $138,339. Noted Oct. 11.

N. Y., Schenectady—Resurfacing Crane, Schenectady and Hulett Sts., to W. P. McDonald Constr. Co., 17 West 42nd St., New York, $16,599, $23,355 and $29,185 respectively. Engrs. est. $25,000, $35,000 and $40,000 respectively.

N. J., Belvidere—Warren Co. constructing Sect. 1, Phillipsburg-Belvidere Rd., to C. T. Kavanagh, 32nd St. and Prospect Ave., Bayonne, 96.8% engrs. est. ($182,554). Noted Sept. 20.

Pa., Pittston — Paving Main St., to J. Newcombe, 154 Carroll St.; Swallow and Market Sts., to Reese & O'Brien, Nanticoke; Mill and Searle Sts., to Boyle Bros., Bennett Bldg., Wilkes-Barre; Tompkins and Oak Sts., to B. G. Coon Constr. Co., 274 Union St., Luzerne, prices range from $5.45 to $5.70 per sq.yd. Work involves 34,000 sq.yd.

Maryland—State Rds. Comn., Baltimore, 2 mi. concrete shoulders, Contr. 18-A, Alleghany Co., to J. D. Claiborne Co., Garrett Bldg., Baltimore, $26,400; 1 mi. concrete shoulders, Contr. 19-A, Alleghany Co., to S. T. Brotemarkle, Cumberland, $11,264.

W. Va., Huntington—Concrete paving 3rd Ave. from 3rd to 8th Sts., to Harrison & Dean, Old Walton Bldg., $27,000.

W. Va., Parkersburg — Concrete paving 16th, Liberty and Andrew Sts., to S. A. Palmer & Co., Marietta, O., $64,9[illegible]; asphalt paving Market St. from 8th to 13th Sts., to Ebersbach Co., Pomeroy, O., $36,04[illegible]; concrete paving 17th, Rail, Dickel, 23rd, Fairview, 25th, Latrobe and Laird Sts., to Kennedy Constr. Co., Parkersburg, $31,962.

Miss., Aberdeen—Grading and concrete surfacing 18.968 mi. Federal Aid Project 154, to Mills Eng. & Constr. Co., Tupelo, $2.25 per sq.yd. Engrs. est. $600,000. Noted Sept. 13.

Kentucky—State Hy. Dept., Frankfort, constructing and surfacing 6.05 mi. Mt. Sterling-Owingsville Rd., 18 ft., concrete, Federal Aid Project 98, State Project 47, Sect. 1, Montgomery Co., and 6.48 mi. Mt. Sterling-Owingsville Rd., 18 ft., State Project 47, Sect. A, Bath Co., to Gradison Constr. Co., 701 First Natl. Bank Bldg., Cincinnati, O., $220,190 and $296,763 respectively; 14.42 mi. Owen-Carrolton Rd., 18 ft., waterbound macadam, State Project 59, Sect. A, Owen Co., to Muir & Welch, Nicholasville, $265,943; 14 mi. Lookout Mountain Air Line Rd., 24 to 28 ft., State Project 22, Sect. D, McCreary Co., 13 mi. Pineville-Harlin Rd., 24 to 28 ft., State Project 6, Sect. A, Bell Co. and constructing 0.333 mi. approaches to bridge over Livingston Creek, Marion-Princeton Rd., State Project 10, Sect. A, Crittenden and Caldwell Counties, to J. S. Lusk Constr. Co., Knoxville, Tenn., $165,895, $227,484 and $4,585 respectively; 5.067 mi. Whitesburg-Hazard Rd., 24 to 28 ft., State Project 4, Sect. A, Letcher Co., to Codell Constr. Co., Winchester, $139,484. Noted Oct. 4.

O., Cleveland — Curbing, guttering and asphalt paving 10,500 sq.yd. Crestline and Continental Aves., to Baldwin Bros., 4500 Euclid Ave., $70,333. Noted Oct. 11.

O., Columbus—W. H. Duffy, dir. Pub. Serv., grading, laying necessary water services and sewer connections and paving 1,404 ft. South Wood Ave., 26 ft., 884 ft. Allen Ave., 26 ft. and 800 ft. Ohlen Ave., 24 ft., all asphalt, to Franklin Asphalt Paving Co., 209 South High St., $21,044, $14,081 and $12,863 respectively; 1,840 ft. Pearl St., 20 ft., and 392 ft. alley west of Cypress Ave., 16 ft., both concrete, to R. J. Dienst, 480 South 5th St., $11,397 and $2,062 respectively; 552 ft. alley west of Pennsylvania Ave., 20 ft., concrete, to Columbus Contg. Co., 1471 West Broad St., $3,636; 584 ft. 2nd alley north of Main St., 290 ft. 1st alley north of Main St., 556 ft. alley west of Stoddard Ave., all foregoing 16 ft., concrete, and 404 ft. Rich St., 26 ft., asphalt, to A. G. Pugh, 401 Commerce Bldg., $1,554, $1,875, $2,863 and $4,315 respectively; 517 ft. alley north of Gates St., 16 ft., concrete, to Yale Constr. Co., 146 Yale Ave., $9,847; 2,485 ft. Buttles Ave., 34 ft., and 266 ft. Findlay Ave., both asphalt, to B. F. Patterson, 1214 Neil Ave., $28,665 and $3,614 respectively; 248 ft. 8 in. sanitary sewer in alley west of Taylor Ave., to B. Canini, 1105 Shawnee Ave., $1,069. Noted Sept. 27.

O., Euclid—Improving Republic Ave., 6,300 lin.ft. stone curb and 4 in. tile drain gutter, 73,200 ft. 6 in. concrete base, 8,800 sq.yd. asphaltic concrete, to Cleveland Trinidad Paving Co., The Arcade, Cleveland, $46,217.

O., Lakewood — Curbing, guttering and asphalt paving 7 streets, to Highway Constr. Co., c/o Pavers Exch., Cleveland, $147,025; four streets, to W. E. McHugh, West 73rd St. and Wheeling & Lake Erie R.R., Cleveland, $57,492.

O., Rocky River—Asphaltic concrete paving Lakeview Rd., Linde St., Riverview and Mitchell Aves., to Ohio Eng. Co., Lorain, $103,137.

Michigan — State Hy. Dept., Lansing, grading and surfacing State Trunk Line Rd. 10-30, Iosco Co., to Hill & Belknap, East Tawas, 9,338 cu.yd. earth excav. $0.50, 140.3 cu.yd. concrete $30, 254.9 cu.yd. concrete $20, 46,292 sq.yd. one course gravel $0.93, etc., total $57,535; grading and surfacing 0.568 mi. Sect. A and grading 0.648 mi. Sect. B, State Trunk Line Rd., 10-34, Oakland Co., to Oakland Co. Rd. Com., Pontiac, $26,531. Noted Oct. 11.

Kan., Topeka—Shawnee Co. grading and surfacing 0.593 mi. Capitol Highway, Federal Aid Project 106, Sect. B, 18 ft., to Widell Constr. Co., Mankato, Minn., $25,826. Noted Sept. 13.

S. D., Madison — Rein.-con. paving 3 blocks 1st St. S. and 4,975 sq.yd. 1st St. S.W. and South Egan Ave., to Booth & Olson, 120 Virginia St., Sioux City, Ia.

Streets and Roads (Continued)

$2.29 per sq.yd. and $13,848 respectively. Noted Aug. 23.

Mo., St. Louis—For 9,350 sq.yd. concrete paving on alleys, 1 alley to Blackburn & Crean, Syndicate Trust Bldg., $5,730, 6 alleys to Skrainka Constr. Co., Security Bldg., $21,660; grading and paving 3,950 sq.yd. Gamble St., to Granite Bituminous Paving Co., Ry. Exch. Bldg., $42,530.

Ark., Monticello—For 6 mi. concrete sidewalks, curbing and guttering, to Phoenix Constr. Co., Ft. Smith.

Tex., Concord—Montgomery Co. grading and gravel surfacing 7.92 mi. State Highway 19, 16 ft., to Womack Constr. Co., Sherman, $28,637. Engrs. est. $32,000. Noted Oct. 4.

Tex., Conroe—Montgomery Co., grading and gravel surfacing, etc., 22.13 mi. State Highway 19, Federal Aid Project 370, 18 ft., to Womack Constr. Co., Sherman, $153,193. Noted Oct. 4.

Tex., Highland Park (Dallas P. O.)—Asphaltic concrete paving, etc., Mt. Vernon, Key, Walker, Patomac and Lexington Sts., to Fuller Constr. Co., Slaughter Bldg., Dallas, $30,000.

Tex., Mt. Pleasant — Titus Co., grading and gravel surfacing 1.91 mi. State Highway 35, 16 ft., to J. D. George and C. C. Kerr, Lufkin, $19,417; 3,332 cu.yd. gravel to be furnished by county $8,332. Engrs. est. $30,523 incl. engineering and contingencies. Noted Oct. 4.

Tex., Mt. Pleasant—Titus Co. grading, gravel surfacing and bridging 4.13 mi. State Highway 1 A, Federal Aid Project 372, 208 cu.yd. concrete, 34,139 cu.yd. roadway and 20,446 cu.yd. borrow excav., 18,334 lb. reinforcing, etc., to J. D. George and C. C. Kerr, Lufkin, $34,088; 7,360 cu.yd. gravel furnished by county $18,917. Engrs. est. $58,500.

Tex., Wichita Falls—Brick paving also removing wood block paving on Indiana St. from 7th to 10th Sts., to Plains Paving Co., Staley Bldg., $25,000.

Okla., Okmulgee—Resurfacing 18 blocks Cherokee Ave., etc., 13,000 sq.yd. vertical fibre brick, 63,000 sq.yd. asphalt, to Tibbits & Pleasant, Daniels Bldg., Tulsa, $241,904.

Okla., Sayre—Grading and paving 5 blocks Bway., 2nd and Cedar Sts., 7,200 sq.yd. concrete, 6,750 lin.ft. curbing, 2,600 cu.yd. excav., to Pearce Constr. Co., Edmond, $30,365.

Okla., Tulsa—Tulsa Co., 1⅞ mi. road, 18 ft., 7 in. concrete, to R. A. Tanner, 1244 North Main St., $2.28 yd.

Nevada—State Hy. Dept., Carson City, grading, building culverts, selected material surfacing and building concrete and steel overhead railroad crossing between Keystone and East City limits of Ely, Projects 25 and 70, White Pine 2-C-3, to Nevada Contg. Co., Fallon, $92,387. Noted Oct. 4.

Ariz., Phoenix—Paving Culver St. from Central Ave. to 12th St., Dist. 21-5, 1½ in. bitulithic on 2½ in. asphaltic concrete, to Phoenix-Tempe Stone Co., Home Builders Bldg., $67,248. Noted Sept. 27.

Wash., Tacoma — Paving Bway. from South 9th to Jefferson Aves., 2 in. warrenite, to Albertson, Cornell Bros. & Walsh, South 12th and Pacific Sts., $31,500. Engrs. est. $32,193.

California—State Hy. Comn., Sacramento, gravel surfacing 12.7 mi. road from point 3 mi. east of Chester and 3 mi. east of Westwood, Plumas and Lassen Counties, to T. H. and M. C. Polk, Chico, $63,322. Noted Oct. 4.

Calif., Fresno — Fresno Co. improving Route 22, Sect. B, to California Constr. Co., 58 2nd St., San Francisco, 7,191 cu.yd. excav. $1.10 per cu.yd., 455,343 sq.ft. 5 in. asphaltic concrete $0.206, total $100,700.

Calif., Los Angeles—Grading, paving and building storm and sanitary sewers in Childs Ave., to W. D. McCray, Amer. Bank Bldg., $458,060. Noted Oct. 4.

Calif., Newport Beach—Improving Santa Ana Ave., to Wells & Bressler, Santa Ana, 10,020 yd. grading $0.04, 23,238 ft. 6 in. concrete $0.29, 75,722 ft. 8 in. concrete $0.366, 1,529 ft. curb $0.75, etc., total $50,395.

Calif., Riverside — Improving Magnolia Ave., to G. M. Pearson, San Dimas, 241,916 sq.ft. macadam at $0.16 per sq.ft., etc.

Calif., San Diego—Bd. Supervs. San Diego Co., paving with 5 in. concrete 3,361 lin.ft. National Ave. connecting National City and Chula Vista, 18 ft., to California Constr. Co., Union Bldg., $32,564; 4.59 mi. highway on Coronado Strand, to Griffith Co., 25 14th St., $99,900. Noted Sept. 27.

Calif., Torrance — Improving Martina Ave., to H. G. Ferraud, Detwiler Bldg., Los Angeles, 78,000 sq.ft. grading $0.04, 78,000 sq.ft. 1½ in. willite on 3 in. asphaltic concrete $0.215, etc.

Que., Montreal—To Quinlan, Robertson & Janin, Ltd., 50 Notre Dame St. W., paving Sherbrooke St. from De Lorimier to Wurtele Sts., $110,892 and Sherbrooke St. extending to limits of Maisonneuve, $145,365; to Sicily Asphaltum Co., 60 St. Viateur St., paving De Lorimier St., $38,000, 9th Ave., $25,025, Cartier St. $11,520, Chabot St. $15,562; to B. Brault, 2855 Rosemont Blvd., paving Bordeaux St. $26,254; to Rendon, Corlier & Co., 3560 Christopher Columb St., sidewalk on De Gaspe St.; to A. Thezand, sewers in Belmore St. $18,892.

Industrial Works

PROPOSED WORK

Mass., Lawrence — Curran & Joyce Co., 435 Common St., having plans prepared by Ashton, Huntress & Alter, 447 Essex St., 2 and 4 story, 180 x 200 ft. factory, brick and concrete, Beacon Ave. $150,000.

Mass., Taunton—Weir Stove Co. plans 1 story, 50 x 100 ft. foundry and machine shop, concrete or brick. To exceed $50,000.

Conn., Middleton—Middleton Silk Co. had plans prepared 2 story, 60 x 230 ft., rein.-con. factory, plain foundation, North St. $70,000. Private plans.

Conn., Norwalk—C. Mintz, 92 Washington St., South Norwalk, plans 2 story, brick and steel garage, plain foundation, West Ave. $40,000. H. W. Mather, Norwalk, archt.

Conn., South Norwalk—S. Roodner, 127 Washington St., plans 2½ story, 60 x 200 ft., rein.-con., brick and steel factory, plain foundation, Main St. $150,000. R. H. North, 91 Washington St., archt.

N. Y., Binghamton—Cutler Ice Co. takes bids in 2 weeks for (1st unit) probably 30 ton plant, 310-340 Front St. $60,000-$75,000. J. H. Neff, Canton, O., archt. and engr. Noted Sept. 13.

N. Y., Buffalo—Russel-Miller Milling Co., c/o Amer. Elevator & Warehouse Co., foot of Childs St., having preliminary plans prepared mill, Childs St. and Buffalo River. To exceed $500,000. Engineers and architects names withheld.

N. Y., Medford Station—Great Eastern Sugar Co. plans power plant and mill. $1,-500,000. K. Grunwald, in charge.

N. Y., Jewettville—Jewettville Clay Products Co. plans rebuilding 3 story plant, recently destroyed by fire. $60,000-$75,000. Engineer and architect not selected.

N. J., Jersey City—Jersey Journal having plans prepared by J. T. Rowland, 100 Sip Ave., 12 story, 50 x 100 ft., brick, steel and rein.-con. plant and office building, plain foundation, Newkirk St. $1,000,000. F. Sutton, 140 Cedar St., New York City, engr.

N. J., Newark — Intercoastal Lumber Terminal Co., c/o G. Quayle, Grand Central Terminal, New York City, plans plant and substation, Port Newark Terminal, here. $2,000,000.

N. C., Winston-Salem—Blue Ridge Park Mica Co. having plans prepared mica plant. S. C. Park, secy.-treas.

Fla., Jacksonville—Ford Motor Co., Highland Park, Detroit, Mich., plans distributing plant and assembling factory, here. $250,000.

Fla., South Jacksonville (Jacksonville, P. O.)—Leesburg Fibre Pulp & Paper Co., Leesburg, plans paper mill, 50 x 300 ft. main mill with adjoining smaller structures for sorting department, beater rooms, rotary cooking department, pulp tankage department, machine shops, power house and miscellaneous structures, here. $500,-000. G. D. Leach, secy. and treas.

Fla., Stuart—Florida Food Products Inc., P. O. Box B 3, plans new plant, Initial works incl. machinery, to cost in excess of $90,000. C. J. Earley, treas.

La., Leesville—See "Waterworks."

Tenn., Nashville—Turner, Day & Woolworth Handle Co., Inc., 1404 Adams St., plans rein.-con. factory, to replace one destroyed by fire. $100,000.

Ky., Louisville—J. P. Dant, 1718 Windsor Pl., plans 2 story, 70 x 110 ft., brick and steel garage, 901-905 Bway. $40,000. Architect not selected.

O., Cleveland—Billings-Chapin Co., 1663 East 40th St., having plans prepared by Perry & Webster Inc., engrs., 31 Union Sq., W., New York City, and Lockwood, Greene & Co., engrs., Hanna Bldg., Cleveland, 2 story and basement, 40 x 60 ft., and 40 x 100 ft., rein.-con. and brick factory, East 40th St., along tracks New York Central R.R. $80,000.

O., Columbus—Shaffer Roofing Co., 272 West Broad St., having sketches made fireproof factory, Broad and Gift Sts. $40,000.

O., Conneaut — Graham Clay Products Co., 518 Guardian Bldg., Cleveland, plans plant, here. $100,000 incl. equipment.

Ill., Joliet—S & H Motor Co., 203 Hacker Ave., having preliminary plans prepared by Downie, Inc., Higgins Bldg., 3 story, 100 x 150 ft., rein.-con. and brick garage and auto sales building, Cass Ave. $65,000. T. T. Shaner, 7 South Dearborn St., Chicago, engr.

Wis., Astico—Wuetrich Bros., Douglastown, and F. B. Christians, Columbus, plan 2 story, brick and timber or brick and concrete factory, plain foundation, here. $40,-000. Engineer and architect not selected.

Wis., Horicon — The Davies Shoe Mfg. Co. plans 2 story and basement factory unit, brick, rein.-con. and steel, plain foundation. $50,000. Engineer and architect not selected.

Wis., Madison—D. Bilsie Co., 213 East Washington Ave. plans 2 story, 66 x 120 ft. garage and repair shop, brick, rein.-con. and steel, plain foundation. $40,000. Private plans.

Wis., Madison—Madison Medical Assn., c/o R. S. Ingersoll, Lakeside St., having plans prepared 2 story, 45 x 100 ft., boiler house, laundry and garage, brick, rein.-con. and steel, plain foundation. $50,000. Noted Oct. 4.

Wis., Milwaukee—Koehring Co., 31st St. and Concordia Ave., having plans prepared by Van Ryn & De Gelleke, 114 Grand Ave., 1 story, 122 x 360 ft., brick and steel factory, plain foundation.

Wis., Milwaukee—Stewart-Harner Products Service Station, 582 Jefferson St., plans 1 story, 120 x 128 ft. sales and service building, brick and concrete, plain foundation, Van Buren and Martin Sts. $100,000. Engineer and architect not selected.

Wis., Plymouth — J. E. Curtiss having plans prepared by E. A. Juul, Security Bldg., Sheboygan, 2 story, 60 x 90 ft. garage and repair shop, brick, rein.-con. and steel, plain foundation. Noted Sept. 27.

Wis., Spring Green—Spring Green Canning Co., c/o W. P. McDonnell, plans 2 story, brick, rein.-con. and steel, factory, plain foundation, $50,000. Engineer and architect not selected.

Wis., Valders—Nestles Food Co. plans to rebuild 3 story plant, brick and concrete, or brick and timber, recently destroyed by fire. $45,000. Engineer and architect not selected.

Minn., St. Paul—Amer. Radiator Co., 688 Hampden Ave., plans additional manufacturing unit. $250,000. Engineer and architect not announced.

Minn., St. Paul—C. & C. Cut Glass Co., 727 South 4th St., Minneapolis, plans 2 story, 60 x 200 ft., brick and concrete factory, Hamden and Bradford Aves., here. $75,000.

Kan., Pittsburgh—Pittsburgh Monument & Marble Wks. having preliminary plans prepared plant, Everett Ave. $100,000. P. W. White, pres. Private plans.

Kan., Tecumseh—Illinois Light & Power Corp., Peoria, Ill., plans 15,000 kw. steam power plant, brick and rein.-con., here. $2,-225,000. Private plans.

Kan., West Wichita—Bushong Candy Co. had preliminary plans prepared 2 story and basement, brick and rein.-con. factory, Oak and Douglas Sts. $50,000. Engineer and architect not selected.

Mo., Kansas City—Ford Motor Co., Highland Park, Detroit, Mich., had plans prepared by A. Kahn, Marquette Bldg., Detroit, Mich., remodeling 2nd and 3rd floor of present plant, also constructing 1 story, 220 x 880 ft., rein.-con., brick and steel addition, here.

Mo. North Kansas City—Dean Rubber Co., Chestnut and 13th Sts., Kansas City, plans 2 story plant, 16th and Charlotte Sts., here. $45,000.

Tex., Brownsville—Gulf Coast Lines making plans roundhouse and shops, concrete and brick. $100,000. C. S. Kirkpatrick, Houston, ch. engr.

Tex., Dallas — A. L. Black, c/o A. A. Brown, archt., Gaston Bldg., had plans prepared 2 story, 50 x 165 ft., brick, stone and concrete warehouse, plain foundation, 2615 Elm St. $50,000.

Tex., Dallas—City, c/o L. B. Cook, Health Dept., plans abattoir. $50,000. E. A. Kingsley, city engr. Architect not selected.

Tex., El Paso—Ampco Iron Co., Springfield, Mo., having preliminary plans prepared 1 story, rein.-con. and brick foundry. $40,000-$50,000. Private plans.

Tex., Houston — Standard Sanitary Mfg. Co., Preston and Smith Sts., having plans prepared by A. C. Finn, Bankers' Life Bldg., 4 story, 125 x 125 ft., brick, stone and concrete factory, plain foundation, McKinney St. and Bway., to exceed $75,000.

Tex., Magnolia Park (Houston P. O.)—Plans election latter part of month to vote on $300,000 bonds for gas plant. H. Culpepper, city engr.

Industrial Works (Continued)

Tex., Ranger — H. H. Howard, Cedar Grove, La., plans glass factory, here. Cost to exceed $75,000. Engineer and architect not announced.

Tex., San Antonio—San Antonio Express Publishing Co. and San Antonio Evening News, having plans prepared by W. E. Simpson Co., engrs., 418 N. B. C. Bldg., and H. S. Green, archt., 218 Alamo N. B. Bldg., 10 story, 90 x 160 ft., rein.-con., brick and stone, plain foundation, Market and Navarro Sts. $500,000.

Ore., Portland — Willamette Iron and Steel Wks., foot of Front St. N., plans addition to plant. $100,000.

Calif., Alhambra — Wadolene Refining Corp., Lane Mortgage Bldg., Los Angeles, plans first unit of refinery, will exceed $40,000.

Calif., Fresno—United Warehouse Co., H and Mono Sts., had plans prepared by Coates & Traver, Rowell Bldg., 2 story, brick warehouse, San Benito and O Sts. $60,000. Haas Bros., 3rd and Channel Sts., San Francisco, lessee.

Calif., Los Angeles—Weber Show Case Co., 316 South Los Angeles St., plans factory, probably brick and steel, Slauson Ave. and South Park. To exceed $250,000.

Calif., Los Angeles—Western Wholesale Drug Co., 200 South Los Angeles St., having plans prepared by Milwaukee Building Co., 315 Wright Callendar Bldg., 6 story and basement, 100 x 150 ft., wholesale house, rein.-con., San Pedro St. $200,000.

Calif., Oakland—Rose Baking Co., c/o W. A. Doctor, archt., 410 15th St., having plans prepared 2 story and basement baking plant, rein.-con., 22nd and Myrtle Sts. $45,000.

Calif., San Francisco — Pacific Gas & Electric Co., 445 Sutter St., had plans prepared 1 story, generator building, $30,000 and 1 story boiler house. $10,000, both steel, Humboldt St. near Maryland St. Private plans.

Calif., Santa Barbara — Southern California Edison Co., 306 West 3rd St., Los Angeles, plans transformer station, Montecito St., here. To exceed $75,000. Private plans.

Calif., San Bernardino—Atchison, Topeka & Santa Fe Ry., Kerchkoff Bldg., Los Angeles, plans $1,500,000 construction program at this point. Plans completed for concrete and steel shop buildings, first unit. Private plans.

Calif., Woodland — Union Ice Co., 354 Pine St., San Francisco, plans ice plant, 30 tons capacity, Lincoln and 6th Sts., here. $40,000.

BIDS DESIRED

N. J., Elizabeth—Oct. 26, by Union Co. Park Comn., 286 North Broad St., garage, storehouse, shed, machine and carpentry shops, within Elizabeth-Roselle Park tract. C. G. Poggi, 275 Morris Ave., archt.; adv. E. N.-R. Oct. 18.

N. C., Fayetteville—See "Buildings."

O., Painesville—M. H. Carmody taking bids 2 story, brick, steel and concrete garage. $50,000. H. K. Ferguson Co., 4900 Euclid Ave., Cleveland, archts.

Ill., Chicago—S. S. Joy, archt., 2001 West Pershing Rd., receiving bids 3 story 81 x 119 ft. factory, fireproof, 1137-43 West Jackson St., for Blue Valley Creamery Co., 700 South Clinton St. $160,000. Noted Sept. 20.

Ill., Chicago — Rawson & Eisenberg, archts., 5 North La Salle St., receiving bids 1 story, 102 x 125 ft. garage, fireproof, South Central Park Ave. near 12th St. $40,000. Owners name withheld.

Wis., Delavan—H. C. Hengels, archt., 445 Milwaukee St., Milwaukee, taking bids and opens same about Oct. 22, 2 story and basement, 40 x 66 ft. and 20 x 32 ft. brick and concrete garage, plain foundation, for A. H. Schumacher. $50,000.

Wis., Kohler—Kohler Co., c/o A. Treick, supt. of construction, taking bids 1 story, 67 x 210 ft., enameling shop, brick, rein.-con. and steel, plain foundation. $60,000. Private plans. Noted Oct. 11.

Wis., Milwaukee—Leenhouts & Guthrie, archts., 424 Jefferson St., taking bids 1 or 4 story, 120 x 120 ft., brick and concrete garage, Van Buren St., for Luick Ice Cream Co., 183 Ogden Ave. Noted Sept. 13. Basement built.

Wis., Milwaukee — F. Luber, archt., c/o Milwaukee Electric Ry. & Light Co., Pub Service Bldg., taking bids 1 story, 60 x 100 ft., brick and concrete garage, plain foundation, Cold Spring Ave. $40,000.

Wis., Milwaukee—H. J. Esser, archt., 82 Wisconsin St., taking bids 1 story, 110 x 142 ft., brick and timber factory, plain foundation, Humboldt Ave., for Schalmer Products Co., c/o Architect. $60,000.

Calif., Monrovia — Ruoff & Munson, archts., Story Bldg., Los Angeles, receiving bids 1 story, 50 x 150 ft. garage and salesrooms, brick and concrete, here, for G. N. Turner, c/o architects.

CONTRACTS AWARDED

Mass., Springfield — New York, New Haven & Hartford R.R., 244 Main St., 3 story, 40 x 50 ft., brick and steel, freight house, plain foundation, Water St., to H. Wales Lines, 134 State St., Meriden, $50,000.

Mass., Wollaston (Boston P. O.)—Boston Gear Wks., 256 Franklin St., Boston, 2 story, 85 x 100 ft. concrete addition to plant, Haywood St., here to Canter Constr. Co., 6 Beacon St., Boston.

Conn., Glenbrook—Norma Co. of America, Anable Ave., Long Island City, N. Y., 1 story, 100 x 400 ft., brick and steel factory, plain foundation, here, to Post & McCord, 101 Park Ave., New York City. $70,000. Noted July 26.

Conn., Stamford — Conde Nast Publications, Inc., 19 West 44th St., New York City, 60 x 120 ft., 66 x 100 ft. and 50 x 70 ft. buildings, all 1 story, and 4 story, 60 x 200 ft. building, near here, to Turner Constr. Co., 244 Madison Ave., New York City. Work will be done under direction of W. Higginson, archt., 15 Park Row, New York City.

N. Y., Astoria—Brecher Building Corp., c/o A. C. Kunzi, archt. and engr., 779 Manhattan Ave., Brooklyn, will build rein.-con., brick and steel factory, plain foundation, Washington Ave. and 5th St., here, by day labor. $415,000.

N. Y., Brooklyn—Baltire Powers Realty Co., c/o Magnuson & Kleinert, archts. and engrs., 52 Vanderbilt Ave., will build 1 story, rein.-con., brick and steel garage, plain foundation, 3rd Ave., by day labor. $60,000.

N. Y., Buffalo—J. A. Cramer, 1010 Main St., 3 story and basement, 51 x 110 ft., brick, steel and concrete sales room and service station addition, to Turner Constr. Co., 11 Goodell St.

N. Y., New York—Goodman Bakery Co., 138 East 17th St., rein.-con. and steel bakery addition, plain foundation, 134 East 17th St., to Fleischman Constr. Co., 531 7th Ave. Archts. est. $150,000.

N. Y. Palmyra—J. F. Strobel, archt., E and B Bldg., Rochester, 1 story and basement, 100 x 200 ft., rein.-con., brick and steel warehouse addition, here, to Curran Mason Co., 271 Central Ave., Rochester, for Garlock Packing Co. $155,000. Noted Sept. 13.

N. J., Clifton—Pennsylvania Textile Mills, Inc., 3 story, 60 x 300 ft. rein.-con. mill, to Turner Constr. Co., 244 Madison Ave., New York City. Work will be done under direction of Clark, MacMullin & Riley, archts., 101 Park Ave., New York City.

N. J., Kearny (Arlington P. O.)—Pub. Serv. Corp., Terminal Bldg., Newark, power station, initial capacity about 200,000 hp., ultimate capacity 400,000 hp., here, to Pub. Serv. Production Corp., Terminal Bldg., Newark, about $20,000,000. Noted April 26.

Pa., Altoona — H. M. and H. H. Fleck, Central Trust Bldg., 3 story and basement, 100 x 120 ft. garage, brick, concrete and steel, 13th Ave., to C. M. Singiser, 1717 21st Ave., cost plus basis. Archts. est. $130,000. Owners will purchase materials.

Pa., Phila. — J. F. Shellenberger Co., Front and Race Sts., factory 107-115 Race St., to W. R. Daugherty, 1612 Sansom St., $160,000.

Pa., Phila.—G. W. Smith Co., Inc., 49th and Botanic Sts., 1 story, 212 x 352 ft. rein.-con., brick and steel plant, 51st and Botanic Sts., to J. R. Gill Constr. Co., Otis Bldg., $200,000.

S. C., Graniteville—Graniteville Mfg. Co., 1 story and basement, 124 x 371 ft. dyeing and finishing plant, rein.-con., to Lawrence Constr. Co., Lamar Bldg., Augusta, Ga.

S. C., Greenville—Steel-Heddle Mfg. Co., Greenville, and 21st and Allegheny Sts., Phila., Pa., 2 story and basement, 120 x 160 ft. plant, rein.-con and brick, to W. M. Welch, Greenville. Noted Sept. 13.

Ala., Lanett—Lanett Bleachery & Dye Wks., extensions to plant, 34,500 sq.ft. floor space, to Gallivan Building Co., Arlington Ave., Greenville, S. C.

O., Cleveland—Acorn Refinery Co., 8001 Franklin Ave., 4 story and basement, 65 x 110 ft., brick and rein.-con. factory addition, to M. B. Parker Constr. Co., Union Bldg. Archts. est. $75,000.

O., Cleveland—Frankel Chevrolet Co., c/o P. Frankel, Discount Bldg., remodeling and constructing 1 story, 25 x 106 ft., brick and steel garage, 1250 East 105th St., to P. Kitzer, Engineers Bldg. Archts. est. $40,000.

O., Cleveland — Gabriel Mfg. Co., 1407 East 40th St., 2 story and basement, 80 x 150 ft., brick and steel factory addition, to A. A. Lane Constr. Co., 1869 East 55th St. Archts. est. $60,000. Noted Sept. 20.

O., Cleveland — White Motor Co., 842 East 79th St., 1 story, 90 x 216 ft., brick and concrete garage, 787 East 72nd St., to Ardern & Gleason, 8423 Brookline Ave. Archts. est. $80,000. Noted Oct. 11.

Mich., Lansing—Franklin Lansing Co., 2 story and basement, 80 x 180 ft. brick and steel print shop, Hazel St., to Christman Constr. Co., Porter Apts.

Mich., Lansing—Lansing Storage Co., 419 North Washington St., 5 story, 50 x 100 ft. steel and terra cotta storage warehouse, South Washington St., to Reniger Constr. Co., 336½ Michigan St. Engrs. est. $125,000.

Mich., Lansing — Lorenz Bros., 3 story (ultimately 5 story) 83 x 216 ft. rein.-con. and brick garage, North Grand St., to Christman Constr. Co., Porter Apts.

Ill., Ottawa—National Plate Glass Co., General Motors Bldg., Detroit, Mich., general contract for additions to plant, here, to Jobst & Son, Lehman Bldg., Peoria. Cost incl. machinery to exceed $5,000,000.

Wis., Antigo—A. L. Kommers, Main St., will build 1 and 2 story, 32 x 70 x 80 x 90 ft., brick, tile and concrete warehouse, plain foundation, by day labor. $42,000. E. Schoepke, Antigo, archt.

Wis., Appleton—Fox River Tractor Co. will build 2 story and basement, 50 x 75 ft., brick, rein.-con. and steel factory, plain foundation, by day labor. $40,000. Private plans.

Wis., Cedar Grove—Cedar Shoe Mfg. Co. will build 2 story, 32 x 100 ft., brick and timber factory, plain foundation, by day labor. $45,000. Dick & Bauer, 811 State St., Milwaukee, archts.

Wis., Cobb — O. F. Guderian and H. Terens, Markesan, 2 story, 60 x 95 ft. factory and warehouse, brick, rein.-con. and steel, plain foundation, to H. J. Selmer Co., McCartney Natl. Bank Bldg., Green Bay. Archts. est. $50,000. Noted Sept. 13.

Wis., Kenosha—Kenosha Fruit Co., 452 Pearl St., 1 story and basement, 60 x 132 ft., brick and concrete warehouse, plain foundation, to Bondgard & Christenson, 1135 Mound Ave., Racine. Archts. est. $50,000.

Wis., Kenosha — Nicholson Transit Co., 2654 East Atwater, Detroit, Mich., 1 story, 64 x 170 ft., steel garage, plain foundation, to Truscon Steel Co., 216 West Water St., Milwaukee. Archts. est. $45,000.

Wis., La Crosse—Mashak & Schwalbe, 326 South 5th St., 1 story, 60 x 152 ft., brick and concrete garage, plain foundation, South 5th St., to F. R. Schwalbe & Sons, 414 Rivoli Bldg., Milwaukee. Est. cost $45,000.

Wis., Madison—Madison Nash. Co., c/o A. R. Dillon, mgr., 155 East Wilson St., will build 2 story and basement, 66 x 122 ft. garage and repair shop, brick, rein.-con. and steel, plain foundation, by day labor. $60,000. Claude & Starck, Badger Annex, archts. Noted Aug. 16.

Wis., Mayville — Improvement Corp. of Mayville, 1 story, 50 x 120 ft., brick and timber factory, plain foundation, to Rohde-Kapelle Co., Kekoskee. Archts. est. $40,000.

Wis., Milwaukee—Chicago, North Shore & Milwaukee Ry., Highwood, Ill., 1 story, 24 x 190 ft. and 22 x 88 ft., brick, tile and concrete warehouse, plain foundation, Sycamore St., here, to W. J. Scown Building Co., 36 West Randolph St., Chicago. Archts. est. $50,000.

Wis., Milwaukee—Concrete Specialty Mfg. Co., Humboldt Ave., 1 story, 112 x 130 ft., concrete factory plain foundation, Holton St., to P. Hirt, 1717 Vliet St. Archts. est. $40,000. Noted Aug. 31.

Wis., Milwaukee — H. Weisner, 1433 Prairie St., 1 story and basement, 64 x 145 ft., brick and concrete garage, plain foundation, to Coddington Eng. Corp., 290 3rd St. Archts. est. $40,000.

Wis., Milwaukee — West Side Mfg. Co., 3100 Walnut St., 2 story, 60 x 120 ft., brick and timber warehouse, plain foundation, Walnut St., to W. J. Dallmann, 3513 Cherry St. Archts. est. $40,000.

Wis., Plymouth — Plymouth Phonograph Co., 2 story, 58 x 160 ft. and 40 x 62 ft. factory, to P. Welling, Plymouth. Archts. est. $45,000. Noted Sept. 20.

Wis., Racine—Wisconsin Incubator Co., 18th and Halborn Sts., 1 story and basement 50 x 100 ft., brick and concrete warehouse, plain foundation, to W. Fergus and Olson Bros., 904 Belmont Ave. Archts. est. $40,000.

Minn., Litchfield—City, enlarging power plant and waterworks system; new power house, to Anderson Bros., Litchfield, $29,245; rein.-con. chimney, to J. G. Robertson, 2543 University Ave., St. Paul, $5,085; 500 kva. steam-engine-driven generating unit, switchboard, etc., also boiler plant and piping, incl. 250 hp. water tube boiler, stoker, to J. G. Robertson, 2542 University Ave., St. Paul, $66,137; water softening plant for boiler feed, 24,000 gal. daily capacity, to Wayne Pump & Tank Co., 1311 Hennepin Ave., Minneapolis, $2,280; wells and piping to J. F. Coyle, Sauk Center, $5,250. Noted Sept. 20.

Industrial Works (Continued)

Mo., St. Louis—Electric Storage Battery Co. of Philadelphia, Boatmen's Bank Bldg., 1 story and basement, 129 x 245 ft., rein.-con. and brick factory, Vandeventer St., to Wimmer Constr. Co., Victoria Bldg. Archts. est. $85,000. Noted Sept. 13.

Tex., Dallas — W. E. Easterwood, 716 Lowell St., 1 story, 110 x 150 ft., brick, concrete and steel garage, plain foundation, Ervay and Hickory Sts., to Inge Constr. Co., Hawkins St., $40,000.

Calif., Los Angeles—Crescent Creamery Co., 237 Winston Ave., 2 story milk plant, 1 story boiler house and 2 story ice cream plant, all rein.-con., Slauson Ave., to R. E. Milsap, Marsh-Strong Bldg., $112,000. Noted Sept. 20.

Calif., Los Angeles—D. E. Foster, 1259 Maryland St., 2 story, rein.-con. garage, Maryland St., to G. G. Stuart, Lissner Bldg., to exceed $40,000. Noted Oct. 11.

Calif., Oakland—Post-Enquirer, 16th St. and San Pablo Ave., 1 story plant addition, concrete, Franklin St., to F. T. Kennedy, 434 9th St., $42,000.

Calif., San Pedro—Union Pacific Railway Co., 610 South Main St., Los Angeles, 3 stall rein.-con. and steel roundhouse, here, to Unit Constr. Co., Phelan Bldg., San Francisco.

Buildings

PROPOSED WORK

Me., Sanford—Hotel—G. A. Byers, c/o F. Goodwillie, archt. and engr., 56 West 45th St., New York City, having sketches made 5 story, 100 x 150 ft., brick, steel and stone, plain foundation, here.

Mass., Boston—Hospital—City having plans prepared by Ritchie, Parsons & Taylor, 15 Ashburton Pl., new buildings and additions to old ones, Harrison Ave. $3,000,000. Noted June 21.

Mass., Stoneham—High School—School Committee having plans prepared by Ritchie, Parsons & Taylor, 15 Ashburton Place, Boston, 3 story and basement, brick and rein.-con., plain foundation. $275,000.

Conn., Hartford—Bank—Mechanics Savings Bank, Main St., having plans prepared by B. W. Morris, 101 Park Ave., New York City, 50 x 70 ft., brick, limestone and steel, plain foundation, Pearl St. $300,000. Noted Feb. 22.

Conn., Hartford—Church—Second Church of Christ plans 2½ story, Lafayette St. $150,000. R. C. Northam, chn. Bd. Dir. I. A. Allen, Jr., Inc., 100 Farmington Ave., archt.

Conn., Meriden—Schools—Bd. Educ. having plans prepared by W. T. Arnold, 34½ West Main St., 3 story, known as North End Primary, $150,000; 3 story addition to West Grammar School, $150,000; addition to King St. School, $120,000; all foregoing brick, plain foundations. Noted Sept. 27.

Conn., Simsbury—Library—Simsbury Library Assn. plans 3 story, steel and stone, plain foundation. $150,000. Smith & Bassette, 36 Pearl St., Hartford, archts.

Conn., Wallingford — Hospital — Masonic Charity Foundation plans 3 story, brick, plain foundation. $150,000. F. A. Verplanck, pres. Architect not selected.

N. Y., Albany—Hotel—C. J. Holding, Hotel Wellington, having plans prepared 12 story, 60 x 80 ft., rein.-con., brick and steel addition, plain foundation, State St. $275,000. Engineer and architect not selected.

N. Y., Buffalo—School—Bd. Educ., 1400 Telephone Bldg., plans P. S. 76, Elmwood Ave. $550,000. Associated Buffalo Architects, 234 Delaware Ave., archts.

N. Y., Maspeth—Theatre—I. Levin, c/o H. J. Nurick, archt. and engr., 44 Court St., Brooklyn, soon takes bids brick, steel and stone, plain foundation, Grand and 1st Aves., here. $150,000.

N. Y., New York—Apartment—V. C. Farrar, archt. and engr., 4 East 39th St., preparing plans 6 story, brick, steel and stone, plain foundation, West 171st St. $300,000. Owners name withheld.

N. Y., New York—Apartments—Walt-Marcy Building Corp., 1235 Vyse Ave., plans two 5½ story, brick, steel and stone, plain foundations, 171st St. and Wythe Ave. $450,000 each.

N. Y., New York—Dormitory—Barnard College and Columbia University, Morningside Heights, soon takes bids 8 story, brick, steel and stone, plain foundation, 116th St. and Claremont Ave. $600,000. McKim, Mead & White, 101 Park Ave., archts.

N. Y., New York—Exchange—New York Telephone Co., 15 Dey St., soon takes bids 5 story, brick, steel and stone, plain foun-

ROAD WORK—KENTUCKY

Following are lowest three bids opened by State Highway Comm., Frankfort, Sept. 26, for improving 11.509 mi. Pineville-Harlan Rd., Bell Co., (A) J. S. Lusk, Knoxville, Tenn. (awarded contract); (B) Codell Constr. Co., Winchester; (C) F. P. Henderson Constr. Co., Harlan. The unit bids were as follows:

	A	B	C
33 acres clearing and grubbing	$75.00	$85.00	$80.00
203 trees and stumps	5.00	3.50	4.00
77,009 cu.yd. earth excavation	.38	.50	.50
58,818 cu.yd. solid rock excavation	.98	1.10	1.10
43,262 cu.yd. loose rock excavation	.80	.75	.65
27,512 cu.yd. borrow excavation	.38	.50	.55
2,570 cu.yd. structural excavation	1.00	1.00	1.00
527 cu.yd. dry earth excavation	1.00	1.00	1.25
174 cu.yd. wet earth excavation	3.00	4.50	2.50
174 cu.yd. dry rock excavation	3.00	4.00	2.00
59 cu.yd. wet rock excavation	3.00	4.50	4.00
64,098 sq.yd. overhaul	.02	.05	.02
931 cu.yd. riprap	2.50	4.00	4.00
5,537 cu.yd. cement rubble	10.00	11.00	13.00
483 cu.yd. class A concrete	24.00	23.00	29.00
18 cu.yd. class B concrete	24.00	22.00	22.00
9 cu.yd. class D concrete	80.00	75.00	40.00
70,421 lb. reinforcement	.08	.08	.08
1,958 ft. 18 in. vitrified pipe			
1,268 ft. 24 in. vitrified pipe			
319 cu.yd. encasing concrete			
1,958 ft. 18 in. concrete pipe	2.75	3.25	3.30
1,268 ft. 24 in. concrete pipe	4.00	5.00	4.75
Extended totals concrete pipe	$227,566	$256,092	$264,002

SUBWAY—BROOKLYN, N. Y.

Following are lowest three bids opened by Transit Comn., 49 Lafayette St., New York, Oct. 2, for extension of 4th Ave. Subway to 95th St., Route 11-B, Sect. 3, (A) T. A. Gillespie Co., 7 Dey St., New York (awarded contract); (B) Godwin Constr. Co., 130 East 144th St., New York; (C) Oakdale Contg. Co., Inc., 93 Amity St., Flushing. The unit bids were as follows:

	A	B	C
175,000 cu.yd. earth excavation	$4.68	$5.00	$5.80
200 cu.yd. earth excavation for sewers, etc.	3.50	5.05	6.00
Maintaining No. 8724-4th Ave. (lump sum)	2,000.00	2,500.00	1,500.00
Maintaining No. 9002-4-4th Ave. (lump sum)	2,500.00	3,000.00	2,300.00
Maintaining No. 9102-4-4th Ave. (lump sum)	2,500.00	6,000.00	2,250.00
Maintaining No. 9306-4th Ave. (lump sum)	2,000.00	2,000.00	1,500.00
Maintaining No. 9312-4th Ave. (lump sum)	2,000.00	1,000.00	1,500.00
Maintaining No. 9318-4th Ave. (lump sum)	1,200.00	1,000.00	1,500.00
Maintaining Public Library 4th Ave. and 95th St. (lump sum)	1,000.00	1,000.00	1,500.00
Maintaining No. 9502-4th Ave. (lump sum)	1,500.00	2,700.00	1,500.00
10 furnishing and setting trees	80.00	25.00	10.00
20,000 cu.yd. concrete masonry, in place	15.80	14.00	14.00
45,000 sq.ft. rubbing to smooth finish surface of concrete	.08	.05	.05
2,000 cu.yd. protective concrete masonry in place	18.05	14.00	14.00
225 cu.yd. brick masonry in place	25.00	35.00	35.00
Removing of bulkhead existing subway 4th Ave. and 87th St. (lump sum)	500.00	1,000.00	600.00
700 cu.yd. hollow terra cotta brick or tile masonry, in place	18.00	30.00	30.00
50 lin.ft. 4½ in. x 13 in. terra cotta flue lining, in place	1.00	2.00	1.40
100 bbl. grout of portland cement	6.00	5.00	6.00
100 cu.yd. broken stone or gravel	4.00	5.00	4.50
3,700 sq.yd. waterproofing, one ply	.50	.50	1.00
19,000 sq.yd. waterproofing, three ply	2.00	1.50	1.60
100 sq.yd. waterproofing six ply	3.00	3.00	3.00
100 sq.yd. waterproofing dry ply	.25	.25	.50
550 cu.yd. waterproofing brick laid in asphalt mastic	42.00	40.00	40.00
300 lin.ft. cast iron pipe and fittings, 3 in. in place	1.85	1.00	1.00
1,250 lin.ft. cast iron pipe and fittings, 6 in. in place	2.15	2.00	1.60
3,000 lin.ft. cast iron pipe and fittings, 8 in. in place	2.85	2.50	2.20
70,000 duct ft. tunnel ducts in place	.20	.20	.25
460 duct ft. fibre ducts in place	.56	.50	.70
1,156 ton riveted steel, painted and erected	109.00	110.00	100.00
2 ton steel ladders, stairs, railings, etc.	300.00	200.00	200.00
1,800 ton steel beams and shapes, painted and erected	105.30	110.00	100.00
80 ton steel rods and bars, built in concrete	100.00	120.00	90.00
4 ton miscellaneous iron castings in place	150.00	200.00	150.00
10 ton miscellaneous iron furnishings for sewers, manholes, etc.	150.00	200.00	150.00
200 lb. special wire forms, in place	.20	.50	
1,800 lin.ft. 1½-in. oak or ash hand rail, in place	.30	.50	.50
3,800 sq.ft. steel gratings for ventilation, in place	3.30	2.00	2.50
1,000 sq.ft. vault lights, in place	2.25	2.00	2.50
1,600 sq.yd. sidewalks restored	1.00	2.00	3.00
14,000 sq.yd. roadway restored asphalt	4.25	4.00	3.00
100 sq.yd. roadway restored granite block	5.00	3.00	3.00
1,100 lin.ft. new bluestone curb in place	1.50	1.50	1.70
400 sq.yd. upper 3-in. concrete walks	1.50	2.00	2.00
5,600 lin.ft. ¾-in. wrought steel electric conduits	.20	.30	.30
50 lin.ft. 1¼-in. wrought steel electric conduits	.50	.60	1.00
2,400 lin.ft. 1-in. wrought steel electric conduits	.30	.40	.50
430 cast-iron outlet boxes, in place	1.00	1.50	1.00
10 cast-iron pull boxes in place	3.00	5.00	3.00
100 lin.ft. cast-iron pipe and fittings, 6 in. in place	1.50	2.50	2.00
100 lin.ft. cast-iron pipe and fittings, 3 in. in place	1.00	1.75	1.50
50 lin.ft. cast-iron pipe and fittings, 4 in. in place	1.20	2.00	2.00
50 lin.ft. cast-iron pipe and fittings, 8 in. in place	2.00	3.00	3.40
1,200 lin.ft. sewer pipe 12-in. vitrified	3.00	3.00	2.00
260 lin.ft. sewer pipe 15 in. vitrified	4.00	4.00	4.00
350 lin.ft. sewer pipe 18 in. vitrified	5.00	5.00	5.00
300 lin.ft. sewer pipe 24 in. vitrified	7.00	6.00	6.00
2 ton sewer pipe cast-iron (straight pipe)	100.00	200.00	150.00
1 ton sewer pipe cast-iron (special castings)	150.00	200.00	150.00
450 lin.ft. concrete sewers 3 ft. 6 in. x 2 ft. 4 in.	15.00	12.00	12.00
50 lin.ft. water pipe 6 in.	1.50	2.00	1.50
200 lin.ft. water pipe 8 in.	2.50	3.00	2.15
10 service connections for water pipes	25.00	40.00	35.00
50 lin.ft. cast-iron gas pipe 4 in.	1.00	1.50	1.00
50 lin.ft. cast-iron gas pipe 6 in.	1.50	2.50	1.50
10 service connections for gas pipes	25.00	50.00	30.00
3 ton new cast-iron hub and spigot pipe, straight	65.00	150.00	150.00
2 ton new cast-iron hub and spigot pipe, special castings	175.00	200.00	150.00
100 duct ft. electric ducts and conduits	.50	1.00	1.00
5 service connections for electric ducts	50.00	50.00	35.00
100 duct ft. fibre ducts and conduits	.50	1.00	1.00
Extended totals	$1,725,884	$1,745,730	$1,841,092

Buildings (Continued)

dation, 119 East 124th St. $175,000. McKenzie, Voorhies & Gmelin, 342 Madison Ave., archts. and engrs.

N. J., Jersey City—Office—See "Industrial Works."

N. J., Paterson—High School—Bd. Educ. having plans prepared by W. T. Fanning, 5 Colt St., 3 story, 250 x 300 ft., brick, steel and stone, plain foundation, Park Ave. and Market St. $1,000,000. F. Sutton, 140 Cedar St., New York City, engr.

Md., Baltimore — Animal House and Aviary—Druid Hill Park Comrs. having plans prepared by T. W. Pietsch, American Bldg., 1 story, 65 x 184 ft., brick, plain foundation, at Druid Hill. $150,000. J. C. Boyd, pres.

Md., Baltimore—Business—G. R. Debnam, Jr., Union Trust Bldg., plans 15-20 story, 75 x 184 ft., brick, Charles and Chase Sts. $1,000,000. Engineer and architect not selected.

D. C., Wash.—Apartment—**G. T. Santmyer**, archt., 1415 K St., N. W., preparing plans apartment. $250,000. Owners name withheld.

D. C., Wash.—Apartment—Hotel—Stern & Tomlinson, archts., Continental Trust Bldg., preparing plans apartment-hotel. $450,000. Owners name withheld.

D. C., Wash.—Theater and Store—Sonneman & Justeman, Phillips Bldg., preparing plans theatre and store building. $375,000. Owners name withheld.

Tenn., Memphis—Apartment—S. Mitchell, T. R. Klyce and R. B. Spencer, Goodwyn Institute, had plans prepared by latter for 5 story brick and stone, on lot 100 x 100 ft., Poplar and Auburndale Sts. $150,000.

Ky., Lebanon—Church—W. A. Hopkins, pastor of Presbyterian Church, plans church. $150,000. Architect not selected.

Ky., Lexington—Church—St. Peters Catholic Church plans church, Barr St. $200,000. W. T. Punch, pastor. Architect not selected.

Ky., Louisville—Apartment—A. Bass, 201 West Jefferson St., having plans prepared by W. E. Gore, c/o owner, 3 story, 100 x 159 ft., Eastern Parkway and Cherokee Rd. $150,000.

O., Cleveland—Apartments—E. C. Burkhart, 428 Natl. City Bldg., having plans prepared by H. Swigert, 18210 Olmypia Rd., two 2 story and basement, 40 x 106 ft., and 65 x 112 ft, brick, West 80th St. and Detroit Ave. $175,000.

O., Cleveland—Church, School and Parish House—St. Timothys Roman Catholic Church, c/o A. Mulligan, 1017 Superior Ave., having plans prepared by E. T. P. Graham, archt., 171 Newbury St., Boston, Mass., and F. S. Fish, consult. archt., Tenbush Bldg., Cleveland, 2 story brick, steel and concrete, East 131st St. $300,000.

O., Cornersburg (Canfield P. O.)—Hospital—Mahoning Co. (Youngstown), plans election in November to vote on $200,000 bonds 2 story, rein.-con., brick and steel, Craver Farm, near here. Stanley & Scheible, 1301 Wick Bldg., Youngstown, archts.

O., Girard — High School — Bd. Educ. takes bids within 1 or 2 weeks, brick and steel high school. $300,000. Miller & Son, Dollar Bank Bldg., Youngstown, archts.

O., Lakewood (Cleveland P. O.)—Apartment—M. Margolin, c/o J. Laronge Co., Williamson Bldg., Cleveland, plans 119 x 200 ft., Lake and Cook Sts., here. $200,000. Engineer and architect not announced.

Ill., Aurora—Bank and Office—Old Second National Bank having plans prepared by G. G. Elmslee, 1225 Michigan Ave., Chicago, 3 story, 50 x 200 ft., brick, stone and steel, River St., here. $150,000.

Ill., Chicago — Apartment — J. Hocke, archt., 7602 Chappel Ave., preparing plans 3 story, fireproof, South Side. $300,000. Owner's name withheld.

Ill., Chicago—Apartment—M. Schultz, c/o Rawson & Eisenberg, archts., 5 North La Salle St., plans 3 story, fireproof, 69th and Sangamon Sts. $150,000.

Ill., Chicago—Theatre—H. Schoenstadt & Sons, 1118 South Michigan Ave., plans 3 story, fireproof, Archer and Robey Sts. $500,000. Newhouse & Bernham, 4623 Drexel Blvd., archts.

Ill., Evanston—Store and Office—Main St. Building Corp. c/o J. A. Nyden, archt., 190 North State St., Chicago, plans 2 story, 104 x 180 ft., fireproof, Main and Hinman Sts., here. $250,000.

Wis., Madison—Church—First Church of Christ, c/o W. D. Hiestand, chn., 423 Wisconsin Ave., having plans prepared by F. Riley, Conklin Bldg., 2 story and basement, 60 x 150 ft., brick, rein.-con. and steel, plain foundation. Noted Sept. 27.

Wis., Milwaukee—Apartments—J. Hunholz, 2310 Vliet St., plans two 8 story and basement, 50 x 108 ft., brick, tile and concrete, plain foundation, Marshall and Mason Sts. $425,000 each. Private plans.

Ia., Dakotah — Court House — Humboldt Co. defeated $225,000 bonds for court house. Noted Aug. 9.

Kan., Pittsburg—Office—Local Syndicate, c/o C. Denison, Chamber of Commerce, having preliminary plans prepared 8 story, brick, concrete, tile and stone. $350,000. Engineer and architect not selected.

Kan., Salina—School—Election Oct. 23 to vote on $225,000 bonds for school and additions. Engineer and architect not selected.

Mont., Great Falls — Home — Montana Children's Home Finding Society, c/o J. Wuerthner, chn. building comn., 2717 1st Ave., N., plans brick, tile and stone, probably 3 story. $150,000.

Mo., Kansas City—Office—J. A. Bruening, 317 Dwight Bldg., having plans prepared by McKecknie & Trask, 719 Gloyd Bldg., 12 story and basement, 142 x 145 ft., rein.-con., brick and terra cotta, 10th and Wyandotte Sts. $1,500,000. W. W. Huff, 56 Mutual Bldg., mechanical engr.

Tex., Beaumont — Schools — Bd. Educ. plans to vote on $150,000 bond issue for schools. W. L. Fulweiler, city engr.

Tex., Brownwood—Gymnasium, Library, etc.—Howard Paine College plans various buildings, brick, on Campus. $340,000. Engineer and architect not selected.

Tex., Dallas—Church—Central Christian Church had plans prepared by C. C. Bulger, 4020 Swiss St., 2 story, brick, Masten and Patterson Sts. $150,000. G. Frank, pastor.

Tex., Dallas—Office and Bank—W. Davis, et al., 1311½ Main St., having plans prepared by C. D. Hill & Co., Central Bank Bldg., 18-20 story and basement, 97 x 100 ft., brick, steel, concrete and terra cotta, 1305 Main St. $1,000,000.

Tex., Ft. Worth—Club—Moslah Temple Shrine, c/o H. T Pangburn, 4th and Houston Sts., plans club, Lake and Henderson Sts. $1,000,000. Engineer and architect not selected.

Tex., Lubbock—College—Texas Technical College, c/o A. G. Carter, Ft. Worth, having plans prepared by Sanguinet, Staat & Herdick, First Natl. Bank, Ft. Worth, miscellaneous buildings. $800,000. Noted Aug. 30.

Okla., Fairfax—Temple and Store—Grayhouse Lodge 124, soon lets contract 2 story, 60 x 140 ft., brick, plain foundation, Main and Elm Sts. $150,000.

Okla., Norman — Commons — Oklahoma University, c/o D. S. Graham, having plans prepared by Storey & Vahlberg, archts., Norman, 1 story, 100 x 275 ft., brick and stone, concrete foundation, on campus. $350,000.

Calif., Berkeley—Church—Bd. Missions of Methodist Episcopal Church, Nashville, Tenn., had plans prepared by J. A. Baylor, Nashville, Tenn., 4 story and basement, rein.-con., Durant St., here. $250,000.

Calif., Los Angeles — Loft — Western Wholesale Drug Co., 200 South Los Angeles St., having plans prepared by Milwaukee Building Co., Wright-Callendar Bldg., 6 story and basement, rein.-con., San Pedro St. $175,000.

Calif., Los Angeles—Loft and Store—Lloyd & Casler, 409 Junior Orpheum Bldg., having plans prepared 3 story and basement, 100 x 125 ft., rein.-con., Pico and Wall Sts. $150,000. Private plans.

Calif., Richmond—Lodge—Masonic Hall Assn., c/o J. T. Narbett, archt., 910 Macdonald Ave., having plans prepared 2 and 3 story and basement, rein.-con., hollow tile, brick and terra cotta. $150,000.

Calif., Sacramento — Depot — Southern Pacific R.R. Co., 65 Market St., San Francisco, having plans prepared by Bliss & Faville, Balboa Bldg., San Francisco, for passenger depot, here. $1,000,000 or more.

Calif., Sacramento—Store and Apartment—B. S. Berry, 20th Ave. near Cabrillo St., San Francisco, plans 6 story and basement, rein.-con., 12th and L Sts., here. $150,000 or more. Engineer and architect not selected.

Calif., Sacramento—Terminal—San Francisco capitalists organizing building corporation and having preliminary plans prepared by Wollett & Lamb, Mull Bldg., 2 story, on block bounded by 11th, 12th, H and I Sts. $350,000. Foregoing is first unit of project, will erect 2 large wings, later.

Calif., San Francisco — School — Roman Catholic Archbishop of San Francisco, 1100 Franklin St., had plans prepared by Shea & Shea, Chronicle Bldg., 3 story, brick, Church and 22nd Sts. $150,000.

Calif., Stockton—Office and Store—Commercial & Savings Bank Bldg., Main and Sutter Sts., having plans prepared by Bakewell & Brown, 251 Kearny St., San Francisco, 10 story and basement, fireproof, Sutter St. near Main St. $300,000. C. H. Snyder, 251 Kearny St., San Francisco, engr.

Que., Montreal—Schools—Catholic School Comn., 87 St. Catherine St., soon takes bids for school in St. Henry Dist., $150,000; St. Cunegonde Dist., $200,000; 2 in Ville Emard Dist., $150,000 and $160,000; Notre Dame de Grace Dist. $160,000. R. Dececourt, accountant.

B. C., Point Grey—Schools—Election Oct. 20 to vote on $330,000 bonds for rein.-con. and brick schools. Engineer and architect not selected.

B. C., Vancouver—Library—University of British Columbia, soon takes bids for concrete and granite. $350,000. Sharp & Thompson, London Bldg., archts. Noted Aug. 23.

BIDS DESIRED

Pa., Burnham — Bank—See "Miscellaneous."

Pa., Drexel Hill—Bank—Oct. 19, by Bunting & Shrigley, archts., 603 Chestnut St., Phila., 2 story and basement, 63 x 108 ft., rein.-con., steel, limestone and granite. Garret Rd. and Runnymeade St., here, for Lansdoon Trust Co. $150,000.

Pa., Swarthmore—Dormitory—Oct. 22, by F. Aydelotte, pres. Swarthmore College, c/o W. T. Karcher and L. Smith, archts., 34 South 17th St., Phila., 3 story and basement 30 x 240 ft., steel, stone and terra cotta. $200,000.

Pa., Tamaqua—Theatre and Hotel—Oct. 24, by Higgins Hotel Corp., 4 story and basement, 54 x 150 ft., rein.-con., brick and steel, Broad and Pine Sts., here. $300,000. W. H. Lee, 1505 Race St., Phila., archt.

N. C., Fayetteville—College—Oct. 23 by Normal & Industrial School dormitory, industrial building, residences for president and vice-president, and laundry, on campus. $250,000. H. L. Cook, chn. building com. J. A. Salter, 102 West Hargett St., Raleigh, archt.

O., Cleveland—Apartment—W. A. Kolar, 3172 Fairfax Rd., taking bids and opens same about Oct. 24, 3 story and basement, 101 x 104 ft., brick, 2709 East 116th St. $150,000. L. R. Walker, and J. L. Mauer, 1900 Euclid Bldg., archts.

Ill., Chicago—Apartment—Leichenko & Esser, archts., 38 South Dearborn St., receiving bids 3 story, 100 x 175 ft., fireproof, Madison and La Vergne Sts., for L. J. Ahern, c/o architects. $300,000.

Ill., Chicago — Apartment — Dubin & Eisenberg, archts., 14 West Washington St., receiving bids 3 story and basement, 207 x 298 ft., fireproof, Woodlawn Ave. near Hyde Park Blvd., for Silverman & Kerman, c/o architects. $700,000. Noted Sept. 6.

Ill., Chicago—Apartment—B. L. Steif, archt., 64 West Randolph St., receiving bids 3 story and basement, 100 x 123 ft., fireproof, 640-46 Buckingham Pl. $170,000. Owner's name withheld.

Ill., Chicago—Apartment—A. Strandin, 4443 North Rockwell St., receiving bids 3 story, 100 x 130 ft., fireproof, Winchester Ave. near Sunnyside Ave. $150,000. E. Benson & Son, 5153 North Clark St., archt.

Ill., Chicago — Apartment — Swanson & House, 7046 Stony Island Ave., receiving bids 3 story, 119 x 166 ft. fireproof, 72nd St. near Constance St. $175,000. Kocher & Larson, 6250 South Halsted St., archts.

Ill., Chicago — Temple — C. Hatzfeld, archt., 7 South Dearborn St., receiving bids 3 story, 92 x 116 ft., fireproof, Addison and Reta Sts., for Wrights Grove Masonic Temple Assn., c/o archt. $300,000. Noted Nov. 17, 1921.

Ill., Evanston—Apartment—H. Rabenov, 3658 West Polk St., Chicago, receiving bids 3 story and basement, 100 x 185 ft., fireproof, 629 Forrest Ave., here. $200,000. R. F. France, 155 North Clark St., Chicago, archt.

Ill., Riverside — Apartment — H. H. Meinke & Bro., 1219 South Grove Ave., Oak Park, receiving bids 3 story, 125 x 150 ft., fireproof, here. $150,000. T. R. Bishop, 35 South Dearborn St., Chicago, archt.

Wis., Appleton—High School—School Bd. and Perkins, Fellows & Hamilton, archts.

Buildings (Continued)

$14 Tower Court, Chicago, taking bids two 2 story, brick, tile and concrete, plain foundation. $475,000.

Mo., St. Louis—Primate House—Nov. 1, by Bd. Pub. Serv., 305 City Hall, 110 x 129 ft., brick and rein.-con., for Zoological Bd., Forest Park. $178,000.

Tex., Dallas—Arts—W. C. Everett and associates, 416 East 12th St., taking bids fine arts museum and auditorium, rein.-con. and brick, plain foundation, Commerce St. $750,000. R. H. Hunt & Co., Southwestern Life Bldg., archts.

Tex., Dallas — Church — East Dallas Christian Church, c/o B. F. Erwin, 4327 Tuttle St., taking new bids remodeling and constructing 2 story and basement, 83 x 170 ft., brick and stone addition, Peak and Junius Sts. $200,000. C. D. Hill & Co., Central State Bank Bldg., archts. Noted July 26.

Calif., Riverside — Hospital — M. Hunt, archt., Hibernian Bldg., Los Angeles, receiving bids and opens same about Nov. 1, 1 story, 250 x 350 ft. hollow concrete, for Riverside Community Hospital Assn. Noted June 7.

Calif., Sacramento—Theatre—L. Starks, archt., Ochsner Bldg., receiving bids for rein.-con. and steel, K St. near 10th St., for Paramount Theatre Corp. $350,000. Noted July 12.

BIDS RECEIVED

N. Y., Buffalo—School—Bd. Educ., 1400 Telephone Bldg., Oct. 3, general contract altering and building 2 story and basement, rein.-con. and brick addition to P. S. 42, Grant St., from C. H. Everitt, 295 Auburn Ave., $412,850; heating from C. Bernhardt, 95 Hoyt St., $83,250; plumbing from J. J. Bresnahan, 462 Elk St., $24,868. Noted Sept. 20.

N. Y., New York—Arsenal—Park Bd., Municipal Bldg., Oct. 11, general contract altering arsenal in Central Park near 5th Ave. opposite East 64th St., from J. L. Burke Corp., 51 West 66th St., $159,495. Noted Oct. 4.

Wash., Bremerton—Navy Yard Y.M.C.A., 3 story and basement, 101 x 120 ft. steel and concrete building incl. 50 x 80 ft. gymnasium and 20 x 60 ft. swimming pool, Front and Washington Aves., here, from Parker & Wood, Arcade Bldg., Seattle, $148,000.

CONTRACTS AWARDED

Me., Orono—Arts and Science—University of Maine, 3 story, 68 x 130 ft., brick, semi-fireproof, to O. Nelson Co., 194 Exchange St., Bangor, $170,000.

Mass., Brookline (Boston P. O.)—Synagogue—Congregational Kehillath Israel, 385 Harvard St., 2 story, 70 x 170 ft., rein.-con. and stone, wood pile foundation, Harvard St., to W. H. Whitcomb Constr. Co., 6 Beacon St., Boston, $200,000. Archts. est. $225,000.

N. Y., Brooklyn—Bank—Bank of Manhattan Co., 40 Wall St., New York, 1 story, 50 x 100 ft., brick, steel and stone, plain foundation, St. Johns Pl., near Nostrand Ave., here, to C. T. Wills, 286 5th Ave., New York. Archts. est. $150,000. Noted Sept. 20.

N. Y., Fredonia—Business—W. Russo, 3 story, brick and steel, Main St., to Fred Constr. Co., Buffalo, $260,000.

N. Y., New York—Apartment—A. Capagna, 200 West 72nd St., will build 12 story, brick, steel and stone, plain foundation, Riverside Dr., by day labor. $750,000. R. Candela, 200 West 72nd St., archt. and engr.

N. Y., New York — Apartment — Kraftmore Constr. Co., c/o Springsteen & Goldhammer, archts. and engrs., 32 Union Sq., will build 6 story, brick, steel and stone, plain foundation, 177th St., by day labor. $350,000.

N. Y., New York — Apartment — One Thousand Nine Park Ave. Corp., c/o E. Roth, archt., 119 West 40th St., will build 14 story, brick, steel and stone, plain foundation, 1009 Park Ave., by day labor. $500,000. G. Aus Co., 244 Madison Ave., engrs.

N. Y., New York—Apartment—Palfin Building Corp., c/o C. Kreymborg, archt. and engr., 2534 Marion Ave., will build 6 story, 60 x 180 ft., brick, steel and stone, plain foundation, 723 West 167th St., by day labor. $200,000.

N. Y., New York—Office—Amer. News Co., 10 story and basement, 150 x 175 ft., rein.-con., Varick St. between Dominick and Spring Sts., to Turner Constr. Co., 244 Madison Ave. Work will proceed at once under direction of R. G. Cory, archt., 30 Church St.

N. J., Newark—School—Bd. Educ., City Hall, Broad St., general contract 3 story, brick, steel and stone, Webster St., to E. M. Waldron, 27 Central Ave., $187,400; heating and ventilating, to Stewart & Farrell, $42,975. Noted Sept. 27.

N. J., Woodbury—School—Bd. Educ., general contract 2 story and basement, 65 x 74 x 188 x 191 ft., rein.-con., brick, steel and limestone, plain foundation, Delaware and Broad Sts., to T. M. Gibbs Constr. Co., 215 South Broad St., Phila., $296,983; heating, to D. Keating, 2042 Rittenhouse St., Phila., $39,600. Noted Sept. 27.

Md., Baltimore—Store and Office—Methodist Church, 5 story, 28 x 150 ft., brick, plain foundation, 516 North Charles St., to T. Hicks & Son, 106 West Madison St., $150,000. Noted May 31.

W. Va., Huntington — Home — Foster Memorial Home, 3 story and basement, brick, Madison Ave., to C. W. Harer, 1026 Euclid Ave., $163,932.

Miss., Jackson—Office—Lamar Life Insurance Co., general contract, 10 story and basement, 82 x 148 ft., brick, stone and concrete, to Sumner, Sollitt Co., Natl. Bank of Commerce, San Antonio, Tex., $415,934; heating and plumbing, to Beach Heating & Plumbing Co., 300 South Main St., Ft. Worth, Tex., $52,000. Noted Sept. 27.

Tenn., Nashville—Demonstration—Peabody College for Teachers, 3 story, concrete, brick and stone, on Campus, to Hegeman-Harris Constr. Co., 185 Madison Ave., New York City, $700,000.

Tenn., Nashville—Hospital, etc.—J. H. Kirkland, chancellor Vanderbilt University, 5 story, rein.-con. and stone, hospital and power plant ,etc., on campus, to Hegeman-Harris Co., 185 Madison Ave., New York City, $2,000,000. Noted Oct. 11.

O., Cleveland — Apartment — L. Cahn, 10615 Grantwood Ave., 3 story and basement, 50 x 168 ft., brick, Euclid and Stanwood Aves., to J. Kutnick, 5802 Longfellow Ave. Archts. est. $150,000.

Mich., Redford—School—Bd. Educ. general contract 2 story and basement, 66 x 132 ft. rein.-con., brick and steel, plain foundation, Burt St. and Carlton Ave., to Rosewarne, McNabb & Worswick, 33 State St., Detroit. Engrs. est. $150,000. Noted Sept. 27.

Mich., Detroit—Bank—Natl. Bank of Commerce, Fort St., 2 story and basement, 40 x 120 ft., rein.-con., stone and brick, plain foundation, to E. Winters Co, 752 Book Bldg. Archts. est. $150,000. Noted Sept. 13.

Ill., Chicago—Apartment—P. Ferrone, c/o A. V. Capraro, archt., 64 West Randolph St., 3 story and basement, 75 x 125 ft., fireproof, Van Buren and Lockwood Sts., to D. Malpede, 10 South Waller Ave. Archts. est. $150,000. Noted Apr. 12.

Ill., Chicago—Apartment—A. Smith, 1339 South Lawndale Ave., 3 story, 100 x 150 ft., fireproof, Congress and Hamlin Sts., to H. Entin, 2116 Alice Pl. Archts. est. $225,000.

Ill., Chicago—Hotel—S. Dlott, 179 West Washington St., 146 x 275 ft., rein.-con., brick and steel, Bway. and Buena Terrace, to Paschen Bros., 111 West Washington St. Archts. est. $2,250,000.

Ill., Chicago—Office—Standard Corp., 208 South La Salle St., 5 story, 50 x 100 ft., fireproof, 220-24 East Superior St., to Nelson & Lind, 6404 South State St. Archts. est. $250,000.

Ill., Chicago — Store and Apartment — Ecker Bros., c/o Loewenberg, Loewenberg, archts., 111 West Monroe St., 3 story, fireproof, 4768-82 Elston St., to Nelson & Borg, 5853 Glenwood Ave. Archts. est. $150,000.

Ill., Sterling—Theatre and Office—Sterling Theatre Corp., 3 story, brick, stone and rein.-con., to Schmidt Bros. Co., 22 East Huron St., Chicago. Archts. est. $150,000.

Wis., Gratiot—Church—St. Josephs Catholic Congregation c/o A. Garrity, pastor 2 story, 75 x 100 ft., brick, rein.-con. and steel, plain foundation, to R. Conlan, Cuba City. Noted Aug. 30.

Minn., Winona—School—State Bd. Control, St. Paul, 3 story and basement, 200 x 210 ft. school with power plant in basement, rein.-con., brick and tile, at State Teachers College, here, general contract to J. A. McDonald Constr. Co., 750 Builders Exch., Minneapolis, $451,742. Noted Oct. 4.

Kan., Wichita—Club—B.P.O.E., c/o H. G. Boyd, general contract 5 story, 140 x 150 ft., rein.-con. and brick, plain foundation, 1st and Market Sts., to G. H. Siedhoff Constr. Co., Broadview Hotel Bldg., $315,624. Noted Aug. 31.

Mo., Chillicothe — High School — Bd. Educ., general contract 3 story, 200 x 200 ft., rein.-con., brick and stone, West Calhoun St., to S. E. Schultz, Chillicothe, $212,300. Noted Aug. 23.

Tex., Amarillo—Hotel—C. T. Herring, c/o Smith & Townes, archts., Blackburn Bldg., general contract 4 story, brick and concrete, to J. D. Singleton, Amarillo, $120,000.

Tex., Eagle Lake — High School — Bd. Educ., general contract 3 story and basement, brick and concrete to Joplin Marshall Constr. Co., Slaughter Bldg., Dallas, $111,070. Noted Sept. 13.

Okla., Durant—Auditorium—State Bd. of Affairs, Oklahoma City, 3 story, 120 x 180 ft., rein.-con. and brick, plain foundation, on Campus of Southwestern Teachers College, here, to Dougherty, Nichols & Wilson, 416 Equity Bldg., Muskogee, $148,000.

Okla., Tulsa—Bank—Producers National Bank, c/o T. J. Hartman, 640 North Denver St., 2 story and basement, 65 x 75 ft., rein.-con., brick, stone and concrete, plain and concrete pile foundation, general contract to J. W. Wilson, 202 Kendy Bldg., $150,000, terra cotta to Kasas City Terra Cotta & Faienice Co., 19th and Manchester Sts., Kansas City, Mo.

Okla., Ponca City—Lodge—Ponca City Lodge 83 A. F. & A. M., 6 story and basement, 50 x 146 ft., rein.-con., brick and stone, to A. T. Hingle, 908 Mayo Bldg., Tulsa, $199,998. Noted Aug. 21.

Okla., Ponco City—Office and Lodge—Ponco City Masonic Bodies, Blue Lodge, Knights Templar, and Ben Hur Commandery, 6 story, 100 x 140 ft., brick, steel and cement, 3rd St. and Grand Ave., general contract to A. T. Hingles, 908 Mayo Bldg., Tulsa, $178,473; plumbing, to Koller Co., Ponco, $67,000; electric contract to Gaddis-Fentress Co., 221 North Bway., Oklahoma City, $64,527.

Colo., Denver — Apartment — Norman Apartments, Inc., 915 Central Savings Bank Bldg., 6 story, 150 x 150 ft., rein.-con. and brick, Downing Blvd., to G. M. Tamblin, Sweeney Bldg., $500,000.

Colo., Denver — School — School Dist., general contract 2 story, 110 x 236 ft., Fox St. between 1st and 3rd Sts., to P. Morrison, 301 Lincoln St., Denver, $157,933; heating, to J. Pfeiffer Plumbing & Heating Co., Denver, $25,880. Archts. est. $225,000.

Calif., Anaheim—Store and Office—S. Kramer, 301 North Los Angeles St., 6 story and basement, fireproof, Center St., to Wilson & Bever, Wilson-Bever Bldg., $250,000. Noted July 19.

Calif., Los Angeles—Dormitory—California School of Christianity, 4220 Monroe St., 3 and 4 story, brick, Melrose and Vermont Aves., to Gauger & Lockwood, Dieta Bldg., $215,000.

Calif., Los Angeles—Office—Los Angeles Gas & Electric Co., 645 South Hill St., 12 or 13 story, Flower St. near 8th St., to P. J. Walker Co., Merchants Natl. Bank Bldg., Los Angeles, and Sharon Bldg., San Francisco, $1,350,000. Noted May 3.

Calif., Los Angeles—Store, etc.—C. H. Crawford, 2 story, brick store and apartment, and frame and plaster bungalow court, Sunset Blvd., to L. L. Moser, 8335 Sunset Blvd., $200,000.

Calif., Oakland—Store and Theatre—G. Moulin, 145 Buena Vista Terrace, San Francisco, rein.-con., Foothill Blvd., here, to G. B. Pasqualetti, 746 Union St., San Francisco, $150,000.

Calif., San Francisco—Hotel and Store—J. Welsh, 597 20th Ave., will build 6 story and basement, rein.-con., Sutter St. near Jones St., by day labor. $175,000. Baumann & Jose, 251 Kearny St., archts.

Calif., San Pedro—Hotel—L. Carlo, c/o L. L. Jones, archt., Grosse Bldg., Los Angeles, 6 story and basement, rein.-con., 7th St., here, to Hayes & Son, 143 East 3rd St., Long Beach, $215,000. Noted Sept. 27.

Federal Government Work

PROPOSED WORK

S. C., North Island—Quarters—Spec. 4920—Bureau Yards & Docks, Navy Dept., Wash., D. C. plans quarters at radio station, here.

Ga., Augusta—Hospital—Spec. 4922—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans group of buildings for U. S. Veterans Hospital, here.

Ky., Louisville—Machinery—U. S. Engineer, P. O. Box 72, plans to purchase machinery incl. main engines, swinging engines, dippers, etc., for 2 dredges.

Calif., Mare Island—Fuel Oil Storage—Spec. 4717—Bureau Yards & Docks, Navy Dept., Wash., D. C., soon takes bids two 50,-

Federal Government Work (Continued)

000 bbl. fuel oil tanks, 3 motor-driven centrifugal oil pumps, 3 brick pump houses and 1 heater house, etc., at Navy Yard, here.

H. T., Pearl Harbor—Generators, Transformers, etc.—Spec. 4924—Bureau Yards & Docks, Navy Dept., plans to purchase generators, transformers, switchboard and substation equipment, for use here.

BIDS DESIRED

Md., Baltimore—Quarters—Nov. 6, by Treas. Dept., Wash., D. C., doctors and Pharmacists quarters, 2 story, concrete and timber, at U. S. Marine Hospital, here. J. A. Wetmore, acting superv. archt.; adv. E. N.-R. Oct. 18.

D. C., Wash.—Pipe, Fttings, Cable, etc.—Oct. 19, by A. L. Flint, general purch. officer, The Panama Canal, Wash., D. C., 3,500 ft. w.i. pipe, c.i. pipe fittings, valves, joints, 10,000 ft. submarine cable, 50,000 lb. 27½ x 72 in. and 100,000 lb. 27½ x 96 in. corrugated roofing, etc.

Ind., Indiana Harbor—Breakwater—Nov. 10, at office U. S. Engineer, 537 South Dearborn St., Chicago, breakwater, here; adv. E. N.-R. Oct. 18.

Neb., Central City—Post Office—Nov. 20 by Treas. Dept., Wash., D. C., construction incl. mechanical equipment, U. S. Post Office, here. J. A. Wetmore, acting superv. archt.; adv. E. N.-R. Oct. 18.

Ark., Hot Springs—Quarters—Nov. 10 by Constructing Quartermaster, Army and Navy General Hospital, National Park, double set non-commissioned officers quarters.

Tex., Galveston—Stone—Oct. 31, at office U. S. Engineer, furnishing 3,400 ton jetty stone at entrance Brazos River, here.

Ia., Carroll—Post Office—Nov. 14, by Treas. Dept., Wash., D. C., 1 story, 62 x 64 ft., brick and tile, here. J. A. Wetmore, acting superv. archt; adv. N-R Oct. 18.

Calif., Presidio (San Francisco P. O.)—Pump, etc.—Nov. 5, by Constructing Quartermaster, Fort Mason, San Francisco, pump and motor, and addition to pump house, here Noted Oct 11.

Alaska, Juneau—Stone—Nov. 1, at office U. S. Engineer, War Dept., Wash., D. C., furnishing and placing 15,000 tons stone in breakwater in Wrangell Harbor, here.

BIDS RECEIVED

Me., Bar Harbor—Garage, etc.—Spec. 4900—Bureau Yards & Docks, Navy Dept., Wash., D. C., garage and repairing administration building at Naval Radio Station, Otter Cliffs, here, (1) work complete, from A. B. and J. R. Hodgkins, 42 Breely Ave., (1) $5,675 (2) $674 (3) $629 (4) $1,079 (5) $100 (6) $0.90. Noted Sept. 20.

N. Y., Brooklyn—Lumber—Bureau Supplies and Accounts, Navy Dept., Wash., D. C., furnishing 64,000 ft. white ash for Navy Yards, here, from Burgess Bros. Co., Inc., 10 Dwight St., $5,960 (3 days).

N. Y., Dunkirk—Superstructure—U. S. Engineer, Buffalo, stone superstructure on breakwater, here, from Amer. Constr. and Dredging Co., Marion Bldg., Cleveland, O., $48,900. Noted Sept. 6.

Calif., Mare Island—Lumber—Bureau Supplies and Accounts, Navy Dept., Wash., D. C., furnishing 60,000 ft. Douglas fir for Navy Yard, here, from H. B. Bond, 732 Stahlman Bldg., Nashville, Tenn., $7,625 (120 days).

CONTRACTS AWARDED

R. I., Providence—Dredging—U. S. Engineer, Providence, dredging 52,500 cu.yd. soft material and 125 cu.yd. boulders in Pawcatuck River, Rhode Island and Connecticut, to Bay State Dredging & Contg. Co., 62 Condor St., East Boston (Boston P. O.), Mass., $29,800. Noted Oct. 11.

Pa., Phila.—Repairs to Roof—Treas. Dept., Wash., D. C., repairs to roof, etc., U. S. Post Office and Court House, here, to Ennis & Hare, 1933 East 31st St., Baltimore, Md., $61,400. Noted Oct. 4.

Pa., Pittsburgh—Lock—U. S. Engineer, constructing new Lock 7, Monongahela River, to Dravo Contg. Co., Diamond Bldg., $738,590. Noted Sept. 13.

D. C., Bellevue—Barracks, etc.—Spec. 4889—Bureau Yards & Docks, Navy Dept., Wash., barracks, garage and generator building at Naval Experiment and Research Laboratory, here, to A. H. Rogers, 616 Colorado Bldg., Wash., $23,400 (120 days). Noted Oct. 4.

Ala., Florence—Lumber—U. S. Engineer, Florence, furnishing 200,000 ft. lumber, various sizes, to Nicola, Stone & Myers Co., Hattiesburg, Miss., $7,942.

Ky., Louisville—Lumber—U. S. Engineer, P. O. Box 72, 500 pieces 12 ft., 500 pieces 16 ft., 1,200 pieces 20 ft. and 400 pieces 22 ft., (all 2 in. x 12 in.) No. 1 common yellow pine, to King Sparrow Lumber Co., Hattiesburg, Miss., $38.70 per M ft. Noted Oct. 4.

Wis., Milwaukee—Breakwater—U. S. Engineer, constructing extension to north breakwater in harbor, here, to E. E. Gillen Co., 288 East Water St., $353,813. Noted Oct. 4.

Wash., Seattle—Dredging—U. S. Engineer, dredging 9,200 cu.yd. rock and 2,300 cu.yd. earth in Willapa River, to Puget Sound Bridge and Dredging Co., Central Bldg., $78,325. Noted Aug. 23.

Virgin Islands—Wharf—Spec. 4878—Bureau Yards & Docks, Navy Dept., Wash., D. C., rebuilding wharf, here, to West Indian Co., Ltd., St. Thomas, $6,893. Noted July 12.

Miscellaneous

PROPOSED WORK

Shipping Terminal, etc. — Toledo, O. — City plans extensive and complete shipping terminal on river near present Wheeling & Lake Erie bridge, bulk freight terminal, location of mooring basin in Bay View Park, and development of east bay shore for docking and shipping. $11,000,000. W. D. Hudson, Toledo, engr.

Gas Holder — Madison, Wis. — Madison Gas & Electric Co., c/o J. St. John, pres., 100 North Fairchild St., having plans prepared, 60 x 95 ft., brick, rein.-con. and steel gas holder. $50,000. Private plans. Noted Sept. 27.

Subway — Joliet, Ill. — Elgin, Joliet & Eastern R.R., 208 South La Salle St., plans subway under tracks at Bluff Rd. $100,000. A. Montzheimer, ch. engr.

Current Retardments—Sioux City, Ia.—Supervs. Woodbury Co. plan current retardments on Missouri River Impvt. Dist. 1. $75,000. C. Moriarty, Union Bank Bldg., engr.

Transmission Line—Kansas—Kansas Gas & Electric Co., c/o K. P. Horine, Fredonia, soon takes bids 60,000 volt transmission line from Fredonia to Cherryvale, also substations at Fredonia and Buffville. $100,000. Private plans.

Flood Control — Arkansas City, Kan. — Having plans prepared flood control. C. E. Jacoby Eng. Co., 528 Shukert Bldg., Kansas City, Mo., engrs.

Levee—Malta Bend, Mo.—Van Meter Levee Dist. having surveys made for protection of 5,000 acres. C. E. Jacoby Eng. Co., 528 Shukert Bldg., Kansas City, engrs.

Elevating Grader — Ft. Worth, Tex. — Plans to purchase elevating grader for Street Dept. $8,000. P. Gilvin, street comr.

Tunnel—Oregon—Southern Pacific R.R. Co., Southern Pacific Bldg., San Francisco, Calif., had plans prepared 2 mi. concrete lined tunnel through summit of Sierras on Ogden Route between Summit and Lakeview $2,500,000-$3,000,000. G. W. Boschke, ch. engr.

Grade Elimination—San Jose, Calif.—City election Oct. 23, to vote on $100,000 bonds for grade eliminations over Southern Pacific R.R. tracks.

Electrolier System—Taft, Calif.—Plans election to vote on $150,000 bonds for electrolier system.

Pipe — Montreal, Que. — Montreal Light, Heat & Power Co., Craig St. W., takes bids this year furnishing 7,650 ft. 24 in. and 22,540 ft. 20 in. c.i. pipe with necessary fittings also laying 7,650 ft. 24 in. and 24,340 ft. 20 in. pipe. E. S. Stanton, supt. gas distribution.

BIDS DESIRED

Station Finish—Brooklyn, N. Y.—Oct. 26, by Transit Comn., 49 Lafayette St., New York, station finish for part of Bway.-4th Ave. Rapid Transit Railroad Lawrence St. Station, here.

Foundation, etc. — Burnham, Pa. — First National Bank taking bids foundation and stone wall for 3 story and basement, 90 x 120 ft., brick and steel bank, Walnut St. $150,000. I. C. Mayes, cashier.

Ferry Landing—New Orleans, La.—Nov. 15, by Bd. Comrs. of Port of New Orleans, Suite 200 New Court Bldg., erecting ferry landing at foot of Canal St. J. H. Walsh, genl. mgr.; adv. E. N.-R. Oct. 18. Noted July 26.

Levee — New Orleans, La. — Oct. 24, by Bd. Comrs. Atchafalaya Basin Dist., at office of Bd. of State Engineers, New Orleans Court Bldg., constructing new levee on left bank of Atchafalaya River, St. Martins Parish; Sect. 2, Alabama Island levee, 1,000,000 cu.yd. approximate contents. V. M. Lefebre, pres.

Dock—Mackinaw City, Mich.—Oct. 22, by State Hy. Dept., Lansing, 900 ft. approach pier and 200 ft. wharf, 22,000 tons earth and rock fill, 927 cu.yd. rein.-con., 3,188 sq.yd. concrete pavement and walks. $100,000.

Portland Cement—Los Angeles, Calif.—Nov. 26, by Quinton, Code & Hall, consult. engrs., 1106 Hollingsworth Bldg., furnishing quantity of portland cement; adv. E. N.-R. Oct. 18.

Rein.-con. Pipe—St. Lambert, Que.—City taking bids 2,120 ft. 30 in. internal diam. rein.-con. pipe. J. Kellett, engr.

Transformers, etc. — Melbourne, Australia—Jan. 19, by R. Liddelow, secy. State Electricity Comn. of Victoria, Melbourne, for Spec. 24/2 transformers, switchgear and accessories, substation B, for Morwell Power Scheme; adv. E. N.-R. Oct. 18.

BIDS RECEIVED

Greenhouses—New York, N. Y.—Park Bd., Municipal Bldg., Oct. 11, completing greenhouses in Van Cortlandt Park Nurseries, Bronx Boro, from Lord Burnham & Co., $35,617. Noted Oct. 4.

Cement — Milwaukee, Wis. — Central Bd. Purchases, 4,000 bbl. cement for use of Metropolitan Sewerage Comn., from Degentesh Bros., 28th and Forest Home Aves. $2.715.

Levee—Portage, Wis.—Wisconsin State Levee Comn., Madison, enlarging, strengthening and protecting portion of levee system, from M. S. Burgitt, Britt, Ia., $26,150. Noted Oct. 11.

CONTRACTS AWARDED

Seawall—Essex, Mass.—State Hy. Comn., Boston, 250 ft. concrete seawall on pile foundation, with several jetties, here, to Walsh & Monahan, Salem, $68,650.

Subway—Brooklyn, N. Y.—Transit Comn., 49 Lafayette St., New York, subsurface railroad extending along and under 4th Ave. from 87th to 95th Sts., here, to T. A. Gillespie, 7 Dey St., New York, $1,725,884. Noted Oct. 11.

Foundation — Lansing, Mich. — United Cigar Stores Co., 44 West 18th St., New York City, foundation for 3 story and basement, 75 x 135 ft., office building, South Washington St., to F. H. Davis Constr. Co., Detroit, $25,000.

Coaling Station—Madison, Wis.—Chicago & Northwestern Ry., c/o B. R. Kulp, div. engr., 201 Blair St., 200 ton mechanical coaling station, brick, rein.-con. and steel, to C. M. Gindele Co., 421 Belle Plaine Ave., Chicago. Engrs. est. $75,000. Noted Aug. 2.

Lock, etc.—Illinois—Director Dept. Pub. Wks. and Buildings, Div. Waterways, Springfield, constructing Lockport Lock, to Greene & Sons Co., 705 Tower Bldg., Chicago, $1,460,012. All bids for miter gates rejected, will readvertise next spring. Noted Sept. 27.

Cement—Jefferson City, Mo.—State Hy. Comn., furnishing 400,000 bbl. cement a year at cost for period of 5 years, to W. Volker & Co., 3rd and Main Sts., Kansas City.

Widening Dock—Portland, Ore.—Port of Portland Comrs., Spalding Bldg., widening municipal dock 1, to O. R. Wayman, 221 Worcester Bldg., $72,529. Engrs. est. $75,000.

Cement—Los Angeles, Calif.—Furnishing cement for outfall sewer, 40,000 bbls. to Riverside Portland Cement Co., 724 South Springwell St., $2.55 f.o.b. cars Crestmore, sacks extra with exchange rate of $0.15 each, $0.05 per bbl. discount cash within 10 days from date of invoice; 40,000 bbls. to Southwestern Portland Cement Co., 1719 Industrial St., $3.112 per bbl. Victor brand, $0.15 each sack included, with refund allowed, $0.05 per bbl. discount cash within 10 days from date of invoice, delivery to begin at once and continue shipments as required; 40,000 bbls. to California Portland Cement Co., Pacific Mutual Bldg., $3.15 f.o.b. cars our mill at Colton, credit of $0.15 each sack returned, $0.05 per bbl. discount as provided in specifications, deliveries will be made in any quantity and at any rate required for work.

Foundation — San Francisco, Calif. — Pacific Gas & Electric Co., 445 Sutter St., rein.-con. foundation for 17 story and basement, brick, steel and concrete office, Market and Beale Sts., to I. M. Sommer, Balboa Bldg., $85,000.

Paving Plant—Vallejo, Calif.—City paving plant to E. R. Bacon Co., 17th and Folsom Sts., San Francisco, $15,736. Noted Oct. 4.